

DCN: 95-640-305-24

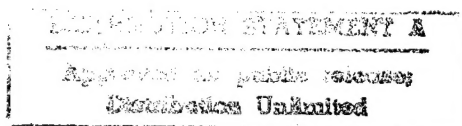
**United States Air Force  
611th Civil Engineer Squadron**

**Elmendorf AFB, Alaska**

**Final**

**Remedial Investigation Report  
Galena Airport and Campion Air Station**

**Volume 3—Appendix B, Part 1**



19960404 091

END OF DOCUMENT

**March 1996**



## **APPENDIX B**

### **Quality Assurance/Quality Control (QA/QC) Discussion**

**1992 and 1993 QA/QC Summary Report**

## 1.0

## SUMMARY OF QA/QC ACTIVITIES

Appendix B presents a summary of analytical results for QC samples, estimates of measurement precision and accuracy based on analysis of QC samples, and potential limitations in the use of the data.

Overall, QA/QC data associated with this program indicate that measurement data are acceptable and defensible. The QA/QC data indicate that the quality control mechanisms were effective in ensuring measurement data reliability within the expected limits of sampling and analytical error.

Quality control data provide information for identifying and defining qualitative limitations associated with measurement data. The following key types of QC procedures provide the primary basis for quantitatively evaluating data quality:

- Field and laboratory blank samples;
- Duplicate field samples;
- Matrix and surrogate spiked samples; and
- Laboratory control samples.

Additional details of the project QA/QC program are documented in the Galena Sampling and Analysis Plan.

## 1.1

### Blank Samples

Blanks are laboratory pure matrices designed to detect the introduction of contamination or other artifacts into the sampling and analytical process. This is an especially important role in measurement programs involving trace-level analyses. Results are presented in the following sections for the analysis of laboratory equipment rinsate, ambient conditions, and trip blanks.

### **1.1.1 Laboratory Blanks**

Laboratory blanks pertain only to the analytical process. Typically included with each batch of samples analyzed, they provide an ongoing check of the analytical process for systematic sample contamination. Laboratory method (reagent) blanks are processed through the entire preparation and analytical measurement techniques, in the same manner as the native field samples, and provide an indication of systematic contamination whose root cause may be in the preparation or measurement systems. Laboratory system blanks are processed only through the analytical measurement systems and provide data to assess potential systematic contamination of the measurement system. When contamination is indicated by blank values above pre-established levels, corrective action is initiated to identify and eliminate the source of contamination. If possible, the affected samples are reanalyzed.

### **1.1.2 Equipment Blanks**

An equipment, or rinsate, blank is an aliquot of analyte-free (i.e., Type II or organic-free) water which is poured over or through the sampling equipment, collected in a sample container, and returned to the laboratory as a sample. Equipment blanks are used to demonstrate whether non-dedicated sampling device has been adequately cleaned. Equipment blank results reflect the combined effects of sample collection, handling, transportation, storage, and analysis. Equipment blanks were collected and analyzed during ground water sampling activities; no equipment blanks were collected during soil sampling activities.

### **1.1.3 Ambient Conditions Blanks**

Ambient blanks are samples of Type II reagent grade water that are collected and processed using the same sampling and handling procedures as other

samples. Ambient blanks are used to assess the potential introduction of contaminants to the samples during sample collection and analysis, and are prepared only for volatile organic compounds (VOC) samples. Organic-free water was prepared with Type II water that had been filtered, deionized, and boiled to volatilize organic compounds. The water was then continuously purged with nitrogen to prevent re-entry of volatile organic compounds. This water was tested by GC analysis prior to use in the field blanks to ensure complete purity.

#### **1.1.4 Trip Blanks**

A trip blank is a sample of organic-free water (prepared as for ambient blanks) that is placed in the sample bottle in an uncontaminated area in the laboratory prior to going in the field. The trip blank is not opened in the field, but is transported back to the laboratory with the routine samples. Trip blanks are subjected to the same handling as other samples and serve to identify contamination from sample containers or transportation and storage procedures. Trip blanks accompany samples of both soil and groundwater matrices for volatile organic analyses only. When volatile organics are detected in trip blanks, it indicates that sample handling transportation or storage conditions may have contributed contamination to investigative samples.

#### **1.2 Duplicate Field Samples**

A field duplicate sample is a second sample collected at the same location as the original sample. Duplicate sample results are used to assess precision, including variability associated with both the laboratory analysis and the sample collection process. Duplicate samples are collected simultaneously or in immediate succession, using identical recovery techniques, and treated in an identical manner during storage, transportation, and analysis. Duplicate samples were collected and submitted blind to the laboratory at a frequency of 10 % for this program.

### 1.3 Matrix and Surrogate Spikes

Matrix spiked samples and surrogate spiked samples are part of the QC protocol for the analysis of organic compounds. Matrix spiked samples are also part of the QC protocol for the metals analyses. Matrix spiked samples are field samples to which known amounts of the analytes of interest have been added. Both a spiked and an unspiked aliquot are analyzed. The difference between the two aliquots is calculated and compared to the amount of spike added before the extraction process. Since actual samples are used for the recovery determination, any matrix effects are taken into consideration. Usually expressed as a percentage of the spiked amount, spike recovery can be considered as a measure of the measurement accuracy in the actual sample matrix. For a single sample, this includes the combined effects of bias, or systematic error, and the measurement variability due to imprecision, and thus reflects overall uncertainty in the measurement results.

Surrogate spike samples are similar to matrix spiked samples except that an unspiked aliquot is not analyzed. Instead, all samples are spiked with one or more of the surrogate compounds which are chemically similar to the analytes of interest, but not expected to be present in the actual field samples. Recovery of these surrogate compounds gives an estimate of the effectiveness of the extraction and analysis for a single sample.

### 1.4 Laboratory Control Samples

Laboratory control samples are used to assess analytical performance under a given set of standard conditions. These are synthetic samples containing some or all of the analytes of interest at known concentrations and prepared independently from calibration standards. Typically analyzed with each analytical batch, laboratory control samples may be used to estimate analytical bias and accuracy by comparing measured results to theoretical concentrations. Although they

do not address matrix effects as spiked samples do, they allow batch-to-batch variability to be considered and are useful in identifying trends.

## 2.0

### MAXIMUM HOLDING TIMES

Maximum holding times are established for each method to prevent possible change in concentration of the compounds of interest over time. Compounds of interest may be lost because of biological degradation or volatilization, or concentrations of halomethanes may increase in the presence of free chloride. Samples for volatile and semivolatile organic analyses are particularly susceptible to these types of losses. Adherence to holding time requirements is reviewed while analytical measurement data are qualitatively evaluated.

A detailed listings of sample IDs, analytical and field batch numbers, date of collection, preparation, and analysis are presented in the Date and Batch Summary Tables in Attachment A for the 1992 sampling events and in Attachment B for the 1993 sampling events. As documented in these tables, most holding time requirements were met, with only a few exceptions. The hold-time for one sample for DDT was missed because the sample required dilution and reanalysis to get the sample within the calibration range of the instrument. (The original analysis and the other SW8080 analytes were within hold-time). Also, one analytical batch of four samples for semivolatile organics by SW8270 was analyzed outside hold-time.



### 3.0

## QUALITY CONTROL RESULTS FOR 1992 SOIL ANALYSES

Quality control (QC) procedures and activities implemented during this program provide a basis for estimating data precision and accuracy. QC procedures associated with investigative soil samples included the analysis of field and laboratory blanks, matrix and surrogate spikes, laboratory control samples, and analytical, matrix spike, and field duplicates. Results of these analyses are discussed in this section. Detailed listings of the QC results for the 1992 sampling and analysis program are present in Attachment A.

### 3.1

#### SW6010 - Metals

Soil samples were analyzed to determine the concentrations of 23 (less boron and silicon) elements. Soil samples were prepared according to SW3050. The metals concentrations were determined by SW6010 which allows the simultaneous, or sequential, measurement of elements using Inductively Coupled Plasma Emission Spectroscopy (ICPES). This method measures the emitted light of each element by optical spectrometry. Samples are nebulized, and the resulting aerosol is transported to the plasma torch. Element specific atomic-line emission spectra are produced which are dispersed by a grating spectrometer. Intensities of the lines are monitored by photomultiplier tubes.

#### 3.1.1

##### **Blanks**

Seventeen method blanks, associated with project soil samples, were analyzed for 23 metallic analytes by SW6010. Table B-1 presents a summary of the results for the blank analyses. With the exception of copper and lead, no target SW6010 analytes were detected in any of the method blank analyses. Results of the method blank analyzed 9/29/92 (analytical batch # JA61 092914-01) showed copper (3.5 mg/kg) was detected within three times the reporting limit (2 mg/kg). This

method blank was prepared and analyzed with a matrix spike/matrix spike duplicate pair that showed 94% and 93% recoveries, respectively. No apparent impact was indicated due to the slight background contribution in the blank. No other investigative field samples were analyzed in the analytical batch. Results of the method blank analyzed 10/02/92 (analytical batch # JA61 100217-001) showed lead (6.5 mg/kg) was detected within three times the reporting limits (5 mg/kg). Lead was found in the three investigative samples analyzed in this analytical batch at concentrations ranging from 12 to 22 mg/kg (all results less than five times the reporting limits). Lead results for these samples may be biased slightly high.

### **3.1.2 Spikes**

Seventeen laboratory control sample pairs (LCS/LCSDs) were analyzed by SW6010 with the soil samples to assess method accuracy. Table B-2 presents a summary of the data for these analyses. All mean recoveries were within the acceptance criteria (80-120%). A single LCS analyzed for silver was below the acceptance criteria at 68% recovery. Eleven MS/MSD pairs were analyzed to assess method accuracy for the Galena soil matrices. With the exception of aluminum, antimony, calcium, iron, and lead all mean MS/MSD recoveries were within the project acceptance criteria of 75-125 percent. The mean recovery for aluminum was 292.7% with 21 of the matrix spike recoveries above the acceptance criteria. The mean recovery for antimony matrix spikes was 64.3% with 19 spikes below the acceptance criteria. The calcium mean spike recovery was 189.5% with 5 spikes below the acceptance limits and 12 spikes above the limits. Mean recovery for iron was 129.2% with 10 spikes below the limits and 10 spikes above the QC limits. Lead recoveries showed a single spike above the limits (992%) resulting in a mean recovery of 132 percent. Barium, magnesium, and manganese showed mean recoveries within the QC limits but showed multiple individual recoveries both above and below the QC limits (Barium- three below, eight above; Magnesium- five below, 10 above; and Manganese- seven below, eight above). Potassium and selenium each

had two recoveries above the limits and zinc had two recoveries below the limits. Generally, LCS recoveries reported within acceptance criteria indicate that acceptable method accuracy. However, the MS/MSD recoveries indicate that the investigative soil results may be biased high for aluminum and biased low for antimony. MS/MSD results for barium, calcium, iron, magnesium, and manganese show that the matrix has variable influence on the recoveries of these elements from the Galena soil matrices.

### **3.1.3 Duplicates**

Precision estimates for metals analyzed by method SW6010 were calculated as mean RPDs. Mean RPDs for the 16 LCS pairs ranged from 1.0% to 7.1%, all well within the laboratory stated precision objectives of  $RPD \leq 20$  percent. Precision estimates based on the analysis of 11 matrix spiked sample pairs showed greater variability with mean RPDs ranging from 1.3% to 73 percent. Precision estimates based on MS/MSD pairs showed variability above the 20% objectives for aluminum (42%), barium (24%), calcium (71%), iron (73%), magnesium (40%), and manganese (59%). Because the mean LCS recoveries and RPDs for each metal demonstrated that analytical systems were within acceptable method accuracy at the time of sample analysis, variability estimated for aluminum, barium, calcium, iron, magnesium, and manganese may reflect matrix non-homogeneity. Table B-5 provides a summary of the precision estimates for the soil analyses.

### **3.2 SW7060 - Arsenic**

Samples were prepared by acid digestion following SW3050 and analyzed by graphite furnace atomic absorption (GFAAS) technique (SW7060). In this method, a sample aliquot is placed in a graphite tube in the furnace, evaporated, charred, and atomized. Absorption of radiation by GFAAS during atomization is proportional to the arsenic concentration.

### **3.2.1 Blanks**

No arsenic was detected at or above the reporting limit in any of the 20 method blank analyses associated with the soil samples analyzed by SW7060. These results showed no measurable systematic laboratory arsenic contamination at the time of the sample analysis. A summary of blank results is presented in Table B-1.

### **3.2.2 Spikes**

Twenty LCSs were analyzed by SW7060 to assess method accuracy. Reported recoveries were within the SAP acceptance criteria (80-120%). Mean LCS recovery was 96.1% with a standard deviation of 4.35. Twelve samples were also analyzed as MS/MSD pairs to assess whether the matrix affected method accuracy. The mean recovery for all MS/MSD pairs was 107.5 percent. The recoveries for one MS/MSD pair (06-DS-01, analytical batch Z3082508, 8/25/92) were below the QC criteria (75-125%) and the recoveries for one MS/MSD pair (06-SS-01-01, analytical batch Z3090214, 9/02/92) were above the QC criteria. A summary of the LCS results is presented in Table B-2 and a summary of the matrix spike results is presented in Table B-3.

### **3.2.3 Duplicates**

Nineteen LCS pairs were analyzed by Method SW7060 to estimate method precision. The mean RPD calculated for the LCS pairs was 1.2 percent. The twelve MS/MSD pairs analyzed showed higher variability with a mean RPD of 11 percent. Both precision estimates, however, were well within the laboratory objectives of  $RPD \leq 20$  percent. A summary of the precision estimates is presented in Table B-5.

### 3.3

#### SW7421 - Lead

Samples were prepared by acid digestion following SW3050 and analyzed by graphite furnace atomic absorption (GFAAS) technique (SW7421). In this method, a sample aliquot is placed in a graphite tube in the furnace, evaporated, charred, and atomized. Absorption of radiation by GFAAS during atomization is proportional to the lead concentration.

#### 3.3.1

##### **Blanks**

A total of 19 method blanks analyses were performed for lead by Method SW7421. With the exception of six results, no lead was detected at or above the reporting limits (0.3 mg/kg) for method blank analyses. Method blank results associated with analytical batches, Z1082008-002 (analyzed 8/20/92 with 0.31 mg/kg lead), Z1082817-001 (analyzed 8/28/92 with 0.35 mg/kg lead), Z1091108-001 (analyzed 9/11 with 0.31 mg/kg lead), Z1091417-001 (analyzed 9/14 with 0.33 mg/kg lead), Z2091717-002 (analyzed 9/24 with 0.30 mg/kg lead), and Z1091719-001 (analyzed 9/17 with 0.69 mg/kg lead) indicated a potential for a slight high bias for reported lead concentrations. Lead results reported for investigative samples analyzed in these analytical batches may include a similar slight high bias. A summary of blank results is presented in Table B-1.

#### 3.3.2

##### **Spikes**

Nineteen LCSs were analyzed for lead by SW7421 to assess method accuracy. The mean recovery was 98.8% with a standard deviation of 3.38. The LCS recoveries are summarized in Table B-2. These recoveries indicate acceptable method accuracy for the laboratory systems at the time of sample analysis. Twelve samples were spiked and analyzed as matrix spike pairs. Three of the 24 MS/MSD recoveries (7%, 12%, and 65%) were below criteria (75-125%), and 2 reported

recoveries (138% and 245%) were above. Because lead recoveries were both above and below criteria, no conclusions should be based on lead matrix spikes alone.

### **3.3.3 Duplicates**

Precision estimates (mean RPD) based on the 19 LCS pairs and twelve MS/MSD pairs analyzed by Method SW7421 were 2.0% and 23%, respectively. The precision estimate based on the LCS pairs was within the laboratory stated objectives ( $RPD \leq 20\%$ ); the precision estimate based on the MS/MSD pairs indicated slightly higher variability than the laboratory objectives. A summary of the duplicate results is presented in Table B-5.

### **3.4 SW7471 - Mercury**

Soil samples were prepared as directed in SW7471 and analyzed by the cold vapor atomic absorption spectrometry (CVAA) technique. During preparation, mercury in the sample is reduced to the elemental state. An aliquot of the prepared sample is then aerated from solution in a closed system. The mercury vapor passes through a cell positioned in the light path of an atomic absorption spectrometer.

#### **3.4.1 Blanks**

A total of 12 method blanks were performed for mercury by SW7471. With the exception of five results, no mercury was detected at or above detection limits (0.02 mg/kg) for the method blank analyses. Method blank analyses, Z3082017-005 (analyzed 8/20/92), Z3082518-003 (8/25), Z3090316-002 (9/03), Z3092418-002 (9/24), and Z3092418-001 (9/24) showed mercury concentrations ranging from 0.05 to 0.80 mg/kg which indicate a potential for a slight high bias for mercury. Mercury results reported for investigative samples analyzed in these analytical batches may include a similar slight high bias. (Most of the mercury results

for the soil samples were less than 10 times the dry weight adjusted reporting limits.) Table B-1 presents a summary of the blank results for the soils analyses.

#### **3.4.2        Spikes**

Twelve LCS pairs were analyzed to assess method accuracy, and ten soil samples were spiked and analyzed in duplicate to determine the effect of the soil matrix on the recovery of mercury by Method SW7471. The mean recovery for the LCS pairs was 102.2% with a standard deviation of 3.13. (None of the LCS recoveries were outside the 80-120% laboratory recovery criteria.) The mean recovery for the MS/MSD pairs was 85.6% with a standard deviation of 11.03. The recoveries (66% and 60%) for one MS/MSD pair (01-SS-07-01, analytical batch D2082413, 8/24/92) were below criteria. Because the LCS analyzed with this analytical batch demonstrated acceptable method accuracy, these low recoveries suggest a matrix interference. Mercury results reported for investigative field samples analyzed in analytical batch D2082413 may also be biased somewhat low. Overall, spike results reported for mercury determinations showed acceptable method accuracy.

#### **3.4.3        Duplicates**

The calculated mean RPD for 13 LCS pairs analyzed for mercury by Method SW7471 was 2.6 and the mean RPD for the ten MS/MSD pairs was 4.1. All individual RPDs calculated based on the LCS and MS/MSD results were within the laboratory stated precision objectives (  $RPD \leq 20\%$  ) which indicate good precision was achieved for mercury measurements by SW7471.

#### **3.5            SW7740 - Selenium**

Samples were prepared by acid digestion following EPA SW3050 and

analyzed by GFAAS technique described in SW 7740 to determine the concentrations of selenium. In this method, a sample aliquot is placed in a graphite tube in the furnace, evaporated, charred, and atomized. Radiation from a given excited element is passed through the vapor containing ground-state atoms of selenium. The intensity of the radiation decreases in proportion to the amount of ground-state atoms present. A monochromator isolates the characteristic radiation from the hollow cathode tube or electrodeless discharge lamp, and a photosensitive device measures the attenuated transmitted radiation.

### **3.5.1       Blanks**

A total of 19 method blanks were analyzed for selenium according to SW7740 in association with the soil samples. A summary of blank results is presented in Table B-1. Reported results showed that no selenium was detected at or above the reporting limits in any of the blank analyses. This indicates that no selenium contamination was present in the laboratory systems at the time of sample analysis.

### **3.5.2       Spikes**

A total of 18 LCS pairs were analyzed with the soil samples to assess method accuracy for selenium by Method SW7740. In addition, 12 samples were matrix spiked in duplicate to determine if the soil matrix would affect the selenium measurements. The mean recovery for the LCS pairs was 94.9% with a standard deviation of 5.03. A single LCS duplicate recovery (84%) was below the acceptance criteria (85-115%). The mean recovery for the MS/MSD pairs was 61.8% with a standard deviation of 18.5. A total of 15 matrix spikes were below the recovery objectives (75-125%). Because the LCS recovery for each of the analytical batches demonstrated acceptable method accuracy at the time of sample analysis, MS/MSD recoveries for samples analyzed in analytical batches Z1082517, Z2082808, Z2090917,



Z291113, Z2091308, and Z2091409 suggest that the soil matrices may bias selenium measurements low. Selenium results reported for investigative samples may also be biased low.

### **3.5.3 Duplicates**

A total of 19 LCS pairs were analyzed according to method SW7740 to assess method precision. The mean RPD for the LCS was 2.5 percent. Twelve MS/MSD pairs showed a RPD of 4.5 percent. Both precision estimates were within the laboratory objectives of  $\leq 20\%$  RPD which indicates that good precision was achieved for the solids analyses. Precision estimates are presented in Table B-5.

### **3.6 Alaska Methods - Gasoline Range Organics and Diesel Range Organics**

The Alaska Method for diesel range organics (DRO) is designed to measure the concentration of DRO, C-10 through C-28 (boiling range 170°C - 430°C), in water and soil. Samples are extracted with methylene chloride and the extract is dried and concentrated in hexane. The extract is analyzed by injection onto the capillary column of a gas chromatograph equipped with a flame ionization detector (FID). Quantitation is performed by comparing the total chromatographic area between n-C10 and n-C28, including resolved and unresolved components, to the response of a calibration standard.

The Alaska Method for gasoline range organics (GRO) was used to measure the concentration of GRO, C-6 through C-10 (boiling range 60°C - 170°C), in water and soil. Water samples are analyzed directly by purge-and-trap gas chromatography with flame ionization/photo ionization detection (FID/PID). Soil samples are extracted into methanol and a portion of the methanol extract is analyzed by purge-and-trap GC. Quantification is based on a direct comparison of the area within the range of 2-methyl pentane and 1,2,4-trimethylbenzene.

### **3.6.1 Blanks**

A total of 24 method blanks were analyzed for diesel range organics along with the soil samples using the Alaska method. With the exception of one result, DRO was not detected at or above the reporting limits in these method blanks. Results for the method blank analyzed 9/10/92 (analytical batch #TP-M090921-001) showed a DRO concentration of 23,000  $\mu\text{g}/\text{kg}$  which is only slightly above the 20,000  $\mu\text{g}/\text{kg}$  method reporting limits. A portion of the DRO found in three investigative samples analyzed in this analytical batch may be due to the DRO background found in the method blank (this background is not expected to have substantial impact to the higher level samples analyzed in the analytical batch).

A total of 22 method blanks were analyzed for GRO along with the soil samples using the Alaska method. Five of the method blanks showed GRO concentrations ranging from 11,000 to 20,000  $\mu\text{g}/\text{kg}$  which is less than three times the method reporting limits (10,000  $\mu\text{g}/\text{kg}$ ). The investigative samples analyzed with these blanks may show a slightly high bias for GRO.

### **3.6.2 Spikes**

Twenty-three LCS pairs were analyzed for DRO to assess method accuracy. The mean recovery and all individual LCS recoveries were within the laboratory stated acceptance criteria of 50-150 percent. Twelve matrix spiked duplicate samples were analyzed to assess method accuracy for the soil matrix. The mean recovery for the MS/MSD was also within the acceptance criteria although seven recoveries were below the acceptance limits and four recoveries were above the acceptance criteria. Samples were also spiked with a surrogate compound, triacontane, to assess extraction and analytical efficiency. All reported surrogate recoveries were within the stated acceptance criteria except for three matrix spiked samples with recoveries above the QC limits. Overall, these results indicate

acceptable analytical control. Summaries of the spike results are presented in Tables B-2 through B-4.

### **3.6.3 Duplicates**

A total of 22 LCS pairs were analyzed for DRO to estimate method precision. The mean RPD for the LCS pairs (9.3%) indicates good method precision. Precision estimates based on the analysis of 12 MS/MSD pairs showed higher variability with a calculated RPD of 74% which was outside the laboratory objective of a RPD  $\leq 50$  percent. Precision estimates are presented in Table B-5.

### **3.7 SW8080 - Organochlorine Pesticides and PCBs**

Samples were analyzed by Method SW8080 to determine the concentrations of organochlorine pesticides and PCBs in the soil. SW8080 is a gas chromatographic method using electron capture detection. Second column confirmation analyses were performed for all target analytes detected (IRP Handbook specifies 50% confirmation). Sample results flagged with "C" signifies that both identification and quantitation were confirmed. Sample results flagged with "P" were confirmed as present, but quantitation was not confirmed.

#### **3.7.1 Blanks**

A total of 28 method blanks were analyzed along with the soil samples analyzed for organochlorine pesticides and PCBs by Method SW8080. Endrin aldehyde (9 detects ranging 0.66-0.53 ug/kg) and endosulfan II (18 detects ranging 0.042-1.0 ug/kg) were detected at concentrations below the reporting limits. These concentrations should not substantially impact the reported results for the investigative samples for these analytes. Aldrin, alpha-BHC, delta-BHC, gamma-BHC, 4,4'-DDE, endosulfan I, heptachlor, and heptachlor epoxide were detected in

one or more blanks at concentrations within three times the reporting limits. The investigative samples would be expected to show a similar slight high bias for these compounds.

### **3.7.2 Spikes**

Fifteen LCS pairs were analyzed by Method SW8080 to assess method accuracy. The mean recovery for the method target analytes were all within acceptance criteria indicating acceptable method accuracy. Eleven MS/MSD pairs were analyzed to assess matrix effects on method accuracy. Good accuracy was also shown with all mean MS/MSD recoveries being within acceptance criteria. However, recoveries for four aldrin, one gamma-BHC, two DDT, one dieldrin, and one heptachlor spiked sample were above the criteria and four DDT recoveries were below the criteria. Each sample, blank and QC sample was spiked with two surrogate compounds, dibutylchlorendate and TCMX, to assess extraction and analytical efficiency. All 118 surrogate spikes into field samples except one dibutylchlorendate spike and three TCMX spikes were found to be within acceptance criteria indicating acceptable method accuracy.

### **3.7.3 Duplicates**

Fifteen LCS pairs were analyzed for organochlorine pesticides and PCBs to estimate method precision for SW8080. The mean RPD for the LCS pairs ranged from 4.6.% to 27% percent. Precision estimates based on the analysis of 11 MS/MSD pairs showed greater variability with mean RPDs ranging from 11% to 60 percent. The RPD for aldrin (60%) indicate greater variability than the SAP objective of  $\leq 50$  percent. Because the LCS recoveries show that analytical systems were within method acceptance criteria for both accuracy and precision at the time of sample analysis, this variability observed for the matrix spiked samples may be attributed to non-homogeneity in the soil matrix.

### **3.8**

#### **SW8240 - Volatile Organic Compounds**

Volatile, or purgeable, organics in the soil samples were determined using Method SW8240. The soil samples were initially prepared by extraction into methanol followed by purging with an inert gas to transfer volatile organics from the liquid to the vapor phase. The vapor is swept through a sorbent trap where the purgeable organics are trapped. The trap is then backflushed and heated to desorb the organics onto a gas chromatographic column where they are separated and then detected with a mass spectrometer.

#### **3.8.1**

##### **Blanks**

A total of 37 method blanks were analyzed with the soil samples for volatile organics using Method SW8240. None of the method blanks showed any of the SW8240 analytes at concentrations above the method reporting limits. However, the common laboratory contaminants (i.e., acetone, 2-butanone, and methylene chloride), 2-hexanone, 4-methyl-2-pentanone, and xylene were detected at concentrations below the method reporting limits. A summary of the blank results is presented in Table B-1.

#### **3.8.2**

##### **Spikes**

A total of 37 LCS pairs were analyzed for volatile organic compounds by SW8240 with the soil samples to assess the method accuracy. The mean recoveries for all analytes were within the accuracy criteria for the method with recoveries ranging from 62.1% to 207.1 percent. However, 2-butanone showed 21 individual recoveries below QC limits and two recoveries above QC limits. Three individual recoveries for 2-chloroethylvinyl ether and three recoveries for vinyl acetate were above the QC limits. Fifteen samples were analyzed as matrix spike pairs to assess the effect of the matrix on method accuracy. Mean recoveries for the

MS/MSD pairs ranged from 93.8% to 108.6% with no recoveries outside the acceptance criteria. These results indicate that acceptable method accuracy. Summaries of the LCS and MS/MSD spike results are presented in Tables B-2 and B-3, respectively.

Three surrogate compounds, 1,2-dichloroethane-d<sub>4</sub>, 1,4-bromofluorobenzene, and toluene-d<sub>8</sub>, were added to each blank, LCS, MS/MSD, and field sample to assess analytical accuracy for each individual analysis. Of the 171 surrogate spikes added to the investigative samples, 17 recoveries were below criteria for 1,4-bromofluorobenzene-d<sub>4</sub>, seven recoveries for toluene-d<sub>8</sub> were below criteria, and two recoveries for toluene-d<sub>8</sub> were above the criteria. Overall, SW8240 surrogate recoveries indicated acceptable method accuracy. A summary of the surrogate results is presented in Table B-4.

### **3.8.2 Duplicates**

Thirty-seven LCS pairs were analyzed volatile organics by SW8240 to estimate method precision. The mean RPDs for the SW8240 target analytes ranged 3.4% to 15 percent. Even less variability was precision estimates were found for the method based on the analysis of 15 matrix spiked duplicates. The mean RPDs estimated for the MS/MSD pairs ranged from 3.0% to 5.5 percent. These results indicate that good method precision was achieved for the analysis. A summary of the precision estimates for each SW8240 analyte is presented in Table B-5.

### **3.9 SW8270 - Semivolatile Organics**

Semivolatile organics, also known as base/neutral and acid extractables, in soil samples were analyzed using Method SW8270. Organic compounds are extracted from the sample with methylene chloride at pH greater than 12 to obtain base/neutral extractables. Acid extractable compounds are obtained from the sample

by extraction with methylene chloride at pH 2 or less. Both base/neutral and acid extracts are then concentrated by removal of the methylene chloride through evaporation. Compounds of interest are separated and quantified using a GC/MS. These techniques quantitatively determine the concentration of a number of semivolatile organic compounds.

### **3.9.1 Blanks**

A total of 24 method blanks were analyzed with soil samples analyzed for semivolatile organic compounds by Method SW8270. No semivolatile compounds were detected at or above the method reporting limits in any of the blanks. However, low levels of bis(2-ethylhexyl)phthalate (18-120  $\mu\text{g}/\text{kg}$ ), dibenzo(a,h)anthracene (56  $\mu\text{g}/\text{kg}$ ) and 1,2,4-trichlorobenzene (33  $\mu\text{g}/\text{kg}$ ) were found in one or more of the blanks. These concentrations of these compounds were well below the 1000  $\mu\text{g}/\text{kg}$  reporting limits for the method and therefore, no substantial impact to the reported results is expected.

### **3.9.2 Spikes**

A total of 25 LCS pairs were analyzed for semivolatile organics by Method SW8270 to assess method accuracy. The mean recoveries for the SW8270 analytes ranged from 33.8% to 136.1%, all within the QC criteria stated in the project SAP. Two recoveries for 1,2-dichlorobenzene and 1,4-dichlorobenzene and three recoveries for hexachloroethane were below the acceptance criteria as stated in the project SAP. One recovery for dibutylphthalate, two recoveries for 2,4-dinitrophenol, and two recoveries for hexachloroethane were above the acceptance criteria stated in the SAP. Fourteen MS/MSD pairs were analyzed to determine the method accuracy with the soil matrix. Mean recoveries ranged from 74% to 88 percent. Acenaphthene was above the acceptance criteria for one spike. All other analytes were within acceptance criteria. Overall, these results indicate that good accuracy

was achieved by the method.

Six surrogate spike compounds were added to each blank, LCS, MS/MSD and field sample to assess the effectiveness of sample extraction and analytical procedures. All calculated mean recoveries were within acceptance criteria. Three of 147 reported recoveries for 2-fluorobiphenyl (21-22%), nitrobenzene-d<sub>5</sub> (3-20%), and phenol-d<sub>5</sub> (11-18%) and four of the 2-fluorophenol (1-19%) recoveries were below criteria. Two recoveries for 2-fluorobiphenyl (128-139%), one nitrobenzene-d<sub>5</sub> (145%) and four for 2,4,6-tribromophenol (129-133%) were above criteria. Overall, SW8270 surrogate recoveries indicated acceptable method accuracy. Spike results are summarized in Tables B-2 through B-4.

### **3.9.3 Duplicates**

A total of 24 LCS duplicate pairs were used to assess method precision for Method SW8270. The mean RPDs for the LCS pairs ranged from 3.4% to 42%, with results for all analytes within the SAP stated precision objectives of 50 percent. Precision estimates based on the analysis of 14 matrix spike pairs showed mean RPDs ranging from 3.1% to 11 percent. These estimates agree with the LCS estimates and both indicate that acceptable precision was achieved for the soil samples analyzed by Method SW8270. Precision estimates are presented in Table B-5.

### **3.10 SW8310 - Polynuclear Aromatic Hydrocarbons (PAHs)**

Method SW8310 is used to determine the concentration of selected PAHs in groundwater and wastes. Method SW8310 uses high performance liquid chromatography (HPLC) for the detection of ug/L levels of PAHs. Samples are analyzed by direct injection. Detection is by ultraviolet and fluorescence detectors.



### 3.10.1 Blanks

A total of eight method blanks were analyzed for PAHs by Method SW8310 along with the soil samples. No PAH compounds were detected above the reporting limits in any of the blanks analyzed by this method. Benzo(k)fluoranthene ( $0.11 \mu\text{g/kg}$ ) and dibenzo(a,h)anthracene ( $0.34\text{-}0.38 \mu\text{g/kg}$ ) were found at concentrations below the reporting limits.

### 3.10.2 Spikes

Eight LCS pairs were analyzed by SW8310 to assess method accuracy. The mean recoveries for the PAH analytes ranged from 54.1% to 76.9 percent. All recoveries were within the objectives listed in the SAP except for two recoveries for naphthalene which were below the acceptance criteria and two recoveries for indeno(1,2,3)pyrene which were above the criteria. Seven matrix spiked duplicate samples were analyzed to determine the effect of the soil matrix on the method accuracy. The mean recoveries for the MS/MSD analyses were similar to those for the LCS and ranged from 47.4% to 85.9 percent. All recoveries were within the acceptance criteria except for four recoveries for acenaphthene and two recoveries for naphthalene which were below criteria, and two recoveries for acenaphthene and two recoveries for phenanthrene which were above criteria. One surrogate spike compound, terphenyl- $\text{d}_{14}$ , was added to each blank, LCS, MS/MSD, and field sample to assess the effectiveness of sample extraction and analytical measurement. All surrogates except one reported for the 86 soil samples were recovered within the project SAP acceptance criteria. These results indicate acceptable method accuracy.

Summaries of spike results for the soil samples are presented in Tables B-2 through B-4.

### 3.10.3 Duplicates

A total of eight LCS pairs were analyzed for PAHs by Method SW8310 to estimate method precision. The mean RPDs for these analyses ranged from 17% to 25% showing good method precision based on an RPD objective of 50 percent. Similar precision estimates were indicated for the method based on the analysis of seven matrix spike pairs, with the exception for one spike compound. The mean RPDs from the MS/MSD pairs ranged from 19% to 30% with the RPD for naphthalene at 73 percent. These results are within the project precision objectives for the method ( $RPD \leq 50\%$ ) except for naphthalene and indicate overall indicate good precision was achieved. Precision estimates for each analyte are presented in Table B-5.

Table B-1

## Summary of Method Blanks - 1992 Solids

Method/ Analyte	No. of Blanks	No. of Defects	No. Above Limits	Range of Concentrations	Reporting Limits
<b>SW6010 - ICP Metals - Method Blanks</b>					
Aluminum	17	0	0		20 mg/kg
Antimony	17	0	0		10 mg/kg
Arsenic	17	0	0		30 mg/kg
Barium	17	0	0		1.0 mg/kg
Beryllium	17	0	0		0.2 mg/kg
Cadmium	17	0	0		0.5 mg/kg
Calcium	17	0	0		100 mg/kg
Chromium	17	0	0		1 mg/kg
Cobalt	17	0	0		1 mg/kg
Copper	17	1	1	3.5 mg/kg	2 mg/kg
Iron	17	0	0		4 mg/kg
Lead	17	1	1	6.5 mg/kg	5 mg/kg
Magnesium	17	0	0		100 mg/kg
Manganese	17	0	0		1 mg/kg
Molybdenum	17	0	0		5 mg/kg
Nickel	17	0	0		2 mg/kg
Potassium	17	0	0		300 mg/kg
Selenium	17	0	0		30 mg/kg
Silver	17	0	0		1 mg/kg
Sodium	17	0	0		100 mg/kg
Thallium	17	0	0		10 mg/kg
Vanadium	17	0	0		2 mg/kg
Zinc	17	0	0		2 mg/kg
<b>GFAAS Metals - Method Blanks</b>					
Arsenic - SW7060	20	0	0		0.4 mg/kg
Lead - SW7421	19	6	5	0.3-0.69 mg/kg	0.3 mg/kg
Mercury - SW7471	12	5	5	0.05-0.08 mg/kg	0.02 mg/kg
Selenium - SW7740	19	0	0		0.5 mg/kg
<b>Alaska Methods - Method Blanks</b>					
Gasoline Range Organics	22	5	5	11000-20000 ug/kg	10000 ug/kg
Diesel Range Organics	24	1	1	23000 ug/kg	20000 ug/kg
<b>SW8080 - Organochlorine Pesticides and PCBs - Method Blanks</b>					
Aldrin	15	7	1	0.13-1.3 ug/kg	1ug/kg

**B-1**  
**(Continued)**

Method/ Analyte	No. of Blanks	No. of Detects	No Above Limits	Range of Concentrations	Reporting Limits
alpha-BHC	15	4	0	0.44-0.85 ug/kg	1 ug/kg
beta-BHC	15	7	1	0.03-1.1ug/kg	1 ug/kg
delta-BHC	15	10	3	0.28-2.7 ug/kg	1 ug/kg
Chlordane	15	0	0		5 ug/kg
4,4'-DDD	15	6	1	0.13-5.1 ug/kg	1 ug/kg
4,4'-DDE	15	8	1	0.17-2.7 ug/kg	1 ug/kg
4,4'-DDT	15	5	0	0.07-0.67 ug/kg	2 ug/kg
Dieldrin	15	11	0	0.17-0.6 ug/kg	1 ug/kg
Endosulfan I	15	8	0	0.046-0.94 ug/kg	1 ug/kg
Endosulfan II	15	11	0	0.042-1.0 ug/kg	3 ug/kg
Endosulfan sulfate	15	6	0	0.6-3.4 ug/kg	5 ug/kg
Endrin	15	13	4	0.18-9.6 ug/kg	1 ug/kg
Endrin aldehyde	15	4	0	0.13-0.52 ug/kg	2 ug/kg
gamma-BHC	15	12	1	0.36-1.1 ug/kg	1 ug/kg
Heptachlor	15	8	0	0.058-0.88 ug/kg	1 ug/kg
Heptachlor epoxide	15	10	4	0.014-2.5 ug/kg	1 ug/kg
Methoxychlor	15	0	0		5 ug/kg
PCB-1016	15	0	0		10 ug/kg
PCB-1221	15	0	0		20 ug/kg
PCB-1232	15	0	0		20 ug/kg
PCB-1242	15	0	0		10 ug/kg
PCB-1248	15	0	0		10 ug/kg
PCB-1254	15	0	0		20 ug/kg
PCB-1260	15	0	0		20 ug/kg
Toxaphene	15	0	0		50 ug/kg
<b>SW8240 - Volatile Organic Compounds - Method Blanks</b>					
Acetone	37	5	0	2.8-17 ug/kg	2000 ug/kg
Benzene	37	0	0		100 ug/kg
Bromodichloromethane	37	0	0		100 ug/kg
Bromoform	37	0	0		100 ug/kg
Bromomethane	37	0	0		200 ug/kg
2-Butanone	37	13	0	0.72-3.7 ug/kg	200 ug/kg
Carbon disulfide	37	0	0		100 ug/kg
Carbon tetrachloride	37	0	0		100 ug/kg
Chlorobenzene	37	0	0		100 ug/kg

**B-1**  
**(Continued)**

Method/ Analyte	No. of Blanks	No. of Deteris	No. Above Limits	Range of Concentrations	Reporting Limits
Chloroethane	37	0	0		200 ug/kg
2-Chloroethylvinyl ether	37	0	0		200 ug/kg
Chloroform	37	0	0		100 ug/kg
Chloromethane	37	0	0		200 ug/kg
Dibromochloromethane	37	0	0		100 ug/kg
1,1-Dichloroethane	37	0	0		100 ug/kg
1,2-Dichloroethane	37	0	0		100 ug/kg
1,1-Dichloroethene	37	0	0		100 ug/kg
trans-1,2-Dichloroethene	37	0	0		100 ug/kg
1,2-Dichloropropane	37	0	0		100 ug/kg
cis-1,3-Dichloropropene	37	0	0		100 ug/kg
trans-1,3-Dichloropropene	37	0	0		100 ug/kg
Ethylbenzene	37	0	0		100 ug/kg
2-Hexanone	37	1	0	3.5 ug/kg	1000 ug/kg
Methylene chloride	37	3	0	0.64-2.3 ug/kg	100 ug/kg
4-Methyl-2-pentanone	37	1	0	2.6 ug/kg	1000 ug/kg
Styrene	37	0	0		100 ug/kg
Tetrachloroethene	37	0	0		100 ug/kg
1,1,2,2-Tetrachloroethane	37	0	0		100 ug/kg
Toluene	37	0	0		100 ug/kg
1,1,1-Trichloroethane	37	0	0		100 ug/kg
1,1,2-Trichloroethane	37	0	0		100 ug/kg
Trichloroethene	37	0	0		100 ug/kg
Vinyl acetate	37	0	0		100 ug/kg
Vinyl chloride	37	0	0		200 ug/kg
Xylenes	37	3	0	0.29-1.3 ug/kg	100 ug/kg
<b>SW8270 - Semivolatile Organic Compounds - Method Blanks</b>					
Acenaphthene	24	0	0		1000 ug/kg
Acenaphthylene	24	0	0		1000 ug/kg
Anthracene	24	0	0		1000 ug/kg
Benzo(a)anthracene	24	0	0		1000 ug/kg
Benzo(b)fluoranthene	24	0	0		1000 ug/kg
Benzo(k)fluoranthene	24	0	0		1000 ug/kg
Benzo(g,h,i)perylene	24	1	0	41	1000 ug/kg
Benzo(a)pyrene	24	0	0		1000 ug/kg

**B-1**  
**(Continued)**

Method/ Analyte	No. of Blanks	No. of Detects	No Above Limits	Range of Concentrations	Reporting Limits
Benzoic acid	24	0	0		5000 ug/kg
Benzyl alcohol	24	0	0		1000 ug/kg
bis(2-Chloroethoxy)methane	24	0	0		1000 ug/kg
bis(2-Chloroethyl)ether	24	0	0		1000 ug/kg
bis(2-Chloroisopropyl)ether	24	0	0		1000 ug/kg
bis(2-Ethylhexyl)phthalate	24	6	0	18-120 ug/kg	1000 ug/kg
4-Bromophenyl phenyl ether	24	0	0		1000 ug/kg
Butylbenzylphthalate	24	0	0		1000 ug/kg
4-Chloro-3-methylphenol	24	0	0		1000 ug/kg
p-Chloroaniline	24	0	0		1000 ug/kg
2-Chloronaphthalene	24	0	0		1000 ug/kg
2-Chlorophenol	24	0	0		1000 ug/kg
4-Chlorophenyl phenyl ether	24	0	0		1000 ug/kg
Chrysene	24	0	0		1000 ug/kg
Dibenzo(a,h)anthracene	24	1	0	56 ug/kg	1000 ug/kg
Dibenzofuran	24	0	0		1000 ug/kg
Di-n-butylphthalate	24	0	0		1000 ug/kg
1,2-Dichlorobenzene	24	0	0		1000 ug/kg
1,3-Dichlorobenzene	24	0	0		1000 ug/kg
1,4-Dichlorobenzene	24	0	0		1000 ug/kg
3,3'-Dichlorobenzidine	24	0	0		2000 ug/kg
2,4-Dichlorophenol	24	0	0		1000 ug/kg
2,4-Dimethylphenol	24	0	0		1000 ug/kg
Diethylphthalate	24	0	0		1000 ug/kg
Dimethylphthalate	24	0	0		1000 ug/kg
2,6-Dinitro-2-methylphenol	24	0	0		5000 ug/kg
2,4-Dinitrophenol	24	0	0		5000 ug/kg
2,4-Dinitrotoluene	24	0	0		1000 ug/kg
2,6-Dinitrotoluene	24	0	0		1000 ug/kg
Di-n-octylphthalate	24	0	0		1000 ug/kg
Fluoranthene	24	0	0		1000 ug/kg
Fluorene	24	0	0		1000 ug/kg
Hexachlorobenzene	24	0	0		1000 ug/kg
Hexachlorobutadiene	24	0	0		1000 ug/kg
Hexachlorocyclopentadiene	24	0	0		1000 ug/kg

**B-1**  
**(Continued)**

Method/ Analyte	No. of Blanks	No. of Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Hexachloroethane	24	0	0		1000 ug/kg
Indeno(1,2,3)pyrene	24	0	0		1000 ug/kg
Isophorone	24	0	0		1000 ug/kg
2-Methylnaphthalene	24	0	0		1000 ug/kg
2-Methylphenol (o-cresol)	24	0	0		1000 ug/kg
4-Methylphenol (p-cresol)	24	0	0		1000 ug/kg
Naphthalene	24	0	0		1000 ug/kg
2-Nitroaniline	24	0	0		5000 ug/kg
3-Nitroaniline	24	0	0		5000 ug/kg
4-Nitroaniline	24	0	0		5000 ug/kg
Nitrobenzene	24	0	0		1000 ug/kg
2-Nitrophenol	24	0	0		1000 ug/kg
4-Nitrophenol	24	0	0		5000 ug/kg
n-Nitrosodiphenylamine	24	0	0		1000 ug/kg
n-Nitrosodipropylamine	24	0	0		1000 ug/kg
Pentachlorophenol	24	0	0		5000 ug/kg
Phenanthrene	24	0	0		1000 ug/kg
Phenol	24	0	0		1000 ug/kg
Pyrene	24	0	0		1000 ug/kg
1,2,4-Trichlorobenzene	24	1	0	33 ug/kg	1000 ug/kg
2,4,5-Trichlorophenol	24	0	0		1000 ug/kg
2,4,6-Trichlorophenol	24	0	0		1000 ug/kg
<b>SW8310 - Polynuclear Aromatic - Method Blanks</b>					
Acenaphthene	8	0	0		180 ug/kg
Acenaphthylene	8	0	0		230 ug/kg
Anthracene	8	0	0		66 ug/kg
Benzo(a)anthracene	8	0	0		1.3 ug/kg
Benzo(a)pyrene	8	0	0		2.3 ug/kg
Benzo(b)fluoranthene	8	0	0		1.8 ug/kg
Benzo(g,h,i)perylene	8	0	0		7.6 ug/kg
Benzo(k)fluoranthene	8	1	0	0.11 ug/kg	1.7 ug/kg
Chrysene	8	0	0		15 ug/kg
Dibenzo(a,e)pyrene	8	0	0		2.5 ug/kg
Dibenzo(a,h)anthracene	8	3	0	0.34-0.38 ug/kg	3 ug/kg
Dibenzo(a,i)pyrene	8	0	0		55 ug/kg

**B-1**  
**(Continued)**

Method/ Analyte	No. of Blanks	No. of Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Fluoranthene	8	0	0		21 ug/kg
Fluorene	8	0	0		21 ug/kg
Indeno(1,2,3)pyrene	8	0	0		4.3 ug/kg
Naphthalene	8	0	0		180 ug/kg
Phenanthrene	8	0	0		64 ug/kg
Pyrene	8	0	0		27 ug/kg



**Table B-2**

**Summary of Laboratory Control Sample Results for 1992 Soil Samples**

Parameter/ Analyte	No. of LCS Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW6010 - ICPES Metals</b>						
Aluminum	17	92.4	1.92	0	0	80-120
Antimony	17	93.5	5.25	0	0	80-120
Arsenic	17	95.8	6.61	0	0	80-120
Barium	17	93.8	2.91	0	0	80-120
Beryllium	17	90.9	2.55	0	0	80-120
Cadmium	17	89.9	2.37	0	0	80-120
Calcium	17	95.3	3.12	0	0	80-120
Chromium	17	93.0	2.68	0	0	80-120
Cobalt	17	92.1	2.50	0	0	80-120
Copper	17	91.7	2.93	0	0	80-120
Iron	17	92.8	2.14	0	0	80-120
Lead	17	91.8	4.35	0	0	80-120
Magnesium	17	90.8	1.75	0	0	80-120
Manganese	17	91.7	2.83	0	0	80-120
Molybdenum	17	91.9	2.88	0	0	80-120
Nickel	17	92.3	2.42	0	0	80-120
Potassium	17	92.9	3.85	0	0	80-120
Selenium	17	88.8	7.92	0	0	80-120
Silver	17	89.1	5.25	1	0	80-120
Sodium	17	94.3	3.15	0	0	80-120
Thallium	17	90.4	3.59	0	0	80-120
Vanadium	17	92.3	3.04	0	0	80-120
Zinc	17	89.8	2.53	0	0	80-120
<b>GFAAS Metals</b>						
Arsenic - SW7060	20	96.1	4.35	0	0	85-115
Lead - SW7421	19	98.8	3.38	0	0	85-115
Mercury - SW7471	12	102.2	3.13	0	0	80-120
Selenium - SW7740	18	94.9	5.03	1	0	85-115

Table B-2

(Continued)

Parameter/ Analyte	No. of LCS Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>Alaska Method</b>						
Diesel Range Organics	23	77.9	11.33	0	0	50-150
<b>SW8080 - Organochlorine Pesticides and PCBs</b>						
Aldrin	15	105.3	10.53	0	1	42-122
alpha-BHC	15	106.9	8.94	0	0	37-134
delta-BHC	15	101.1	18.79	0	1	19-140
gamma-BHC	15	102.0	10.07	0	0	32-127
alpha-Chlordane	15	112.8	12.32	0	0	NS
gamma-Chlordane	15	105.2	9.09	0	0	NS
4,4'-DDT	15	98.1	10.7	0	0	25-160
Dieldrin	15	95.2	7.45	0	0	36-146
Endosulfan II	15	85.7	9.6	0	0	D-202
Endrin	15	91.2	16.15	0	0	30-147
Endrin aldehyde	15	84.0	17.88	0	0	NS
Heptachlor	15	98.5	9.24	0	1	34-111
Heptachlor epoxide	15	112.4	55.13	0	1	37-142
Mirex	15	109.3	10.00	0	0	NS
PCB-1016	12	139.7	72.51	0	10	50-114
PCB-1260	12	102.2	14.16	0	0	8-127
<b>SW8240 - Volatile Organic Compounds</b>						
Acetone	37	108.1	21.08	0	0	NS
Benzene	37	99.7	6.98	0	0	37-151
Bromodichloromethane	37	109.5	11.41	0	0	35-155
Bromoform	37	91.4	11.13	0	0	45-169
Bromomethane	37	62.1	11.7	0	0	D-242
2-Butanone	37	72.2	23.95	21	2	55-127
Carbon disulfide	37	100.9	23.78	0	0	NS
Carbon tetrachloride	37	94.5	10.28	0	0	70-140
Chlorobenzene	37	93.3	4.31	0	0	37-160
Chloroethane	37	86.0	13.4	0	0	NS
2-Chloroethylvinyl ether	37	207.1	96.17	0	3	D-305

Table B-2

(Continued)

Parameter/ Analyte	No. of LCS Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
Chloroform	37	111	8.37	0	0	51-138
Chloromethane	37	89.2	20.99	0	0	D-273
Dibromochloromethane	37	96.9	8.36	0	0	53-149
1,1-Dichloroethane	37	106.8	8.98	0	0	59-155
1,2-Dichloroethane	37	103.5	9.18	0	0	49-155
1,1-Dichloroethene	37	100.1	12.66	0	0	D-234
trans-1,2-Dichloroethene	37	106.9	9.77	0	0	54-156
1,2-Dichloropropane	37	100.1	9.73	0	0	D-210
cis-1,3-Dichloropropene	37	103.0	9.89	0	0	D-277
trans-1,3-Dichloropropene	37	97.0	8.74	0	0	17-183
Ethylbenzene	37	99.9	6.79	0	0	37-162
2-Hexanone	37	80.7	16.49	0	0	NS
Methylene chloride	37	109.1	14.34	0	0	D-221
4-Methyl-2-pentanone	37	90.9	14.88	0	0	NS
Styrene	37	107.3	14.93	0	0	NS
Tetrachloroethene	37	96.3	8.17	0	0	64-148
1,1,2,2-Tetrachloroethane	37	106.4	11.37	0	0	46-157
Toluene	37	107.2	7.01	0	0	47-150
1,1,1-Trichloroethane	37	94.7	9.51	0	0	52-162
1,1,2-Trichloroethane	37	104.3	7.78	0	0	52-150
Trichloroethene	37	94.7	7.84	0	0	71-157
Vinyl acetate	37	99.6	55.76	0	3	D-251
Vinyl chloride	37	110.3	24.73	0	0	NS
Xylenes	37	101.9	5.88	0	0	55-125
<b>SW8270 - Semivolatile Organic Compounds</b>						
Acenaphthene	25	94.7	6.87	0	0	47-145
Acenaphthylene	25	105	9.25	0	0	33-145
Anthracene	25	102.7	7.13	0	0	27-133
Benzo(a)anthracene	25	99	7.48	0	0	33-143
Benzo(b)fluoranthene	25	90.8	9.88	0	0	24-159
Benzo(k)fluoranthene	25	104.2	12.74	0	0	11-162

Table B-2

(Continued)

Parameter/ Analyte	No. of LCS Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
Benzo(g,h,i)perylene	25	92.2	14.22	0	0	D-219
Benzo(a)pyrene	25	91.6	8.72	0	0	17-163
Benzoic acid	25	71.0	35.26	0	0	NS
Benzyl alcohol	25	102.9	11.59	0	0	NS
4-Bromophenyl phenyl ether	25	94.0	7.90	0	0	53-127
Butylbenzylphthalate	25	101.5	12.15	0	0	D-152
4-Chloro-3-methylphenol	25	92.1	7.01	0	0	22-147
p-Chloroaniline	25	110.9	11.01	0	0	NS
bis(2-Chloroethoxy)methane	25	96.1	9.33	0	0	33-184
bis(2-Chloroisopropyl)ether	25	97.0	17.30	0	0	12-158
2-Chloronaphthalene	25	86.8	6.92	0	0	60-118
2-Chlorophenol	25	84.6	14.22	0	0	23-134
4-Chlorophenyl phenyl ether	25	102.4	6.38	0	0	25-158
Chrysene	25	98.6	8.15	0	0	17-168
Di-n-octylphthalate	25	109.4	15.13	0	0	4-146
Dibenzo(a,h)anthracene	25	90.0	12.69	0	0	D-227
Dibenzofuran	25	98.5	6.53	0	0	NS
Dibutylphthalate	25	101.3	8.27	0	1	1-118
1,2-Dichlorobenzene	25	92.0	19.96	2	0	32-129
1,3-Dichlorobenzene	25	87.0	19.61	0	0	D-172
1,4-Dichlorobenzene	25	85.2	19.84	2	0	20-124
3,3'-Dichlorobenzidine	25	130.3	11.26	0	0	D-262
2,4-Dichlorophenol	25	83.1	7.05	0	0	39-135
Diethylphthalate	25	106.6	7.88	0	6	D-114
2,4-Dimethylphenol	25	54.5	11.79	0	0	32-119
Dimethylphthalate	25	100.5	7.27	0	2	D-112
4,6-Dinitro-2-methylphenol	25	108.0	17.53	0	0	D-181
2,4-Dinitrophenol	25	136.1	34.54	0	2	D-191
2,4-Dinitrotoluene	25	102.4	11.77	0	0	39-139
2,6-Dinitrotoluene	25	110.6	10.37	0	0	50-158
bis(2-Ethylhexyl)phthalate	25	97.1	10.20	0	0	8-158

Table B-2

(Continued)

Parameter/ Analyte	No. of LCS Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
Fluoranthene	25	93.0	6.95	0	0	26-137
Fluorene	25	88.9	6.57	0	0	59-121
Hexachlorobenzene	25	93.8	14.44	0	0	D-152
Hexachlorobutadiene	25	85.0	13.16	0	0	24-116
Hexachlorocyclopentadiene	25	33.8	42.6	0	0	NS
Hexachloroethane	25	92.9	21.19	3	2	40-113
Indeno(1,2,3)pyrene	25	80.9	10.19	0	0	D-171
Isophorone	25	99.5	8.31	0	0	21-196
2-Methylnaphthalene	25	103.2	14.98	0	0	NS
2-Methylphenol(o-cresol)	25	84.6	10.00	0	0	NS
4-Methylphenol(p-cresol)	25	83.5	10.52	0	0	NS
N-Nitrosodiphenylamine	25	92.8	7.73	0	0	NS
N-Nitrosodipropylamine	25	97.7	12.25	0	0	D-230
Naphthalene	25	94.6	10.93	0	0	21-133
2-Nitroaniline	25	106.2	14.24	0	0	NS
3-Nitroaniline	25	109.1	9.31	0	0	NS
4-Nitroaniline	25	102.6	9.13	0	0	NS
Nitrobenzene	25	96.2	16.78	0	0	35-180
2-Nitrophenol	25	95.7	11.73	0	0	29-182
4-Nitrophenol	25	86.8	13.96	0	0	D-132
Pentachlorophenol	25	77.2	8.46	0	0	14-176
Phenanthrene	25	89.0	6.50	0	0	54-120
Phenol	25	88.8	12.26	0	0	5-112
Pyrene	25	94.0	8.14	0	0	52-115
1,2,4-Trichlorobenzene	25	89.1	11.43	0	0	44-142
2,4,5-Trichlorophenol	25	88.3	6.42	0	0	NS
2,4,6-Trichlorophenol	25	71.0	4.77	0	0	37-144
<b>SW8310 - Polynuclear Aromatic Hydrocarbons</b>						
Acenaphthene	8	66.3	16.23	0	0	D-124
Acenaphthylene	8	67.8	16.63	0	0	D-139
Anthracene	8	60.1	18.24	0	0	D-126

**Table B-2**

**(Continued)**

Parameter/ Analyte	No. of LCS Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
Benzo(a)anthracene	8	63.6	16.86	0	0	D-135
Benzo(a)pyrene	8	54.1	15.84	0	0	D-128
Benzo(b)fluoranthene	8	73.3	16.91	0	0	D-150
Benzo(g,h,i)perylene	8	62.2	16.42	0	0	D-116
Benzo(k)fluoranthene	8	62.7	16.25	0	0	D-159
Chrysene	8	72.5	17.84	0	0	D-199
Dibenzo(a,h)anthracene	8	59.7	15.02	0	0	D-110
Fluoranthene	8	64.6	18.02	0	0	D-123
Fluorene	8	63.6	20.13	0	0	D-142
Indeno(1,2,3)pyrene	8	76.9	26.93	0	2	D-116
Naphthalene	8	69.4	19.33	2	0	D-122
Phenanthrene	8	62.8	18.04	0	0	D-155
Pyrene	8	60.2	15.7	0	0	D-140

**Table B-3**

**Summary of Matrix Spiked Sample Results for 1992 Soil Samples**

Parameter/ Analyte	No. of Spike Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW6010 - ICPEs Metals</b>						
Aluminum	11	292.7	154.62	1	21	75-125
Antimony	11	64.3	10.68	19	0	75-125
Arsenic	11	106.0	8.59	0	0	75-125
Barium	11	117.5	37.81	3	8	75-125
Beryllium	11	92.5	3.08	0	0	75-125
Cadmium	11	90.5	3.00	0	0	75-125
Calcium	11	189.5	147.21	5	12	75-125
Chromium	11	106.1	55.09	0	1	75-125
Cobalt	11	90.8	3.33	0	0	75-125
Copper	11	92.2	6.93	1	0	75-125
Iron	11	129.2	130.36	10	10	75-125
Lead	11	132.0	192.15	0	1	75-125
Magnesium	11	114.8	53.98	5	10	75-125
Manganese	11	109.4	68.28	7	8	75-125
Molybdenum	11	91.0	3.88	0	0	75-125
Nickel	11	90.0	4.07	0	0	75-125
Potassium	11	102.4	17.67	0	2	75-125
Selenium	11	98.0	12.76	0	2	75-125
Silver	11	87.5	3.14	0	0	75-125
Sodium	11	107.4	6.58	0	0	75-125
Thallium	11	89.3	6.42	0	0	75-125
Vanadium	11	97.4	7.14	0	0	75-125
Zinc	11	86.7	21.95	2	0	75-125
<b>GFAAS Metals</b>						
Arsenic - SW7060	12	107.5	48.00	2	2	75-125
Lead - SW7421	12	98.6	42.30	3	2	75-125
Mercury - SW7471	10	85.6	11.03	2	0	75-125
Selenium - SW7740	12	61.8	18.51	15	0	75-125



Table B-3

(continued)

Parameter/ Analyte	No. of Spike Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW8015 - Nonhalogenated Volatile Organics</b>						
Benzene	15	99.0	14.16	0	0	50-150
Chlorobenzene	15	93.1	6.22	0	0	67-123
Ethylbenzene	15	97.2	10.45	0	0	50-150
Toluene	15	94.9	8.48	0	0	50-150
Xylene, Total	15	97.1	8.35	0	0	50-150
<b>Alaska Method</b>						
Diesel Range Organics	12	114.3	156.99	7	4	50-150
<b>SW8080 - Organochlorine Pesticides and PCBs</b>						
Aldrin	11	99.1	24.67	0	4	42-122
gamma-BHC	11	81.2	22.15	0	1	32-127
4,4'-DDT	11	78.5	57.94	4	2	25-160
Dieldrin	11	86.6	29.88	0	1	36-146
Endrin	11	95.0	13.73	0	0	30-147
Heptachlor	11	84.2	19.46	0	1	34-111
<b>SW8240 - Volatile Organic Compounds</b>						
Benzene	15	99.7	14.08	0	0	37-151
Chlorobenzene	15	99.5	5.81	0	0	37-160
1,1-Dichloroethene	15	99.4	18.14	0	0	D-234
Toluene	15	108.6	11.21	0	0	47-150
Trichloroethene	15	93.8	4.96	0	0	71-157
<b>SW8270 - Semivolatile Organic Compounds</b>						
Acenaphthene	14	86.6	6.75	0	1	37-100
4-Chloro-3-methylphenol	14	87.1	5.55	0	0	22-147
2-Chlorophenol	14	85.4	5.90	0	0	23-134
1,4-Dichlorobenzene	14	80.0	12.23	0	0	20-124
2,4-Dinitrotoluene	14	88.2	8.04	0	0	39-139
N-Nitrosodipropylamine	14	85.4	12.95	0	0	D-230
4-Nitrophenol	14	82.4	13.95	0	0	D-132
Pentachlorophenol	14	74.1	6.44	0	0	14-176
Phenol	14	85.5	7.49	0	0	5-112



**Table B-3**

(continued)

Parameter/ Analyte	No. of Spike Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
Pyrene	14	84.6	8.95	0	0	52-115
1,2,4-Trichlorobenzene	14	84.3	8.89	0	0	44-142
<b>SW8310 - Polynuclear Aromatic Hydrocarbons</b>						
Acenaphthene	7	47.7	67.69	4	2	D-124
Acenaphthylene	7	47.4	25.76	0	0	D-139
Anthracene	7	55.1	23.00	0	0	D-126
Benzo(k)fluoranthene	7	61.9	26.06	0	0	D-159
Dibenzo(a,h)anthracene	7	56.7	16.69	0	0	D-110
Fluorene	7	56.4	26.44	0	0	D-142
Napththalene	7	51.3	40.52	2	0	D-122
Phenanthrene	7	85.9	87.21	0	2	D-155

**Table B-4**

**Summary of Surrogate Recoveries - 1992 Soils**

Parameter/Analyte	No. of Surrogates	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>Alaska Method - Diesel Range Organics</b>						
Triacontane						
LCS	46	95.7	12.10	0	0	50-150
Matrix Spike	24	114.8	69.95	0	3	50-150
<b>SW8080 - Organochlorine Pesticides and PCBs</b>						
Dibutylchloroendate						
Samples	118	75.1	43.11	0	1	20-150
LCS	54	77.7	10.84	0	0	NS
Blank	14	75.3	6.66	0	0	20-150
TCMX						
Samples	118	105.0	14.89	0	3	20-142
LCS	54	105.2	12.24	0	0	NS
Blank	14	105.3	10.38	0	0	20-142
<b>SW8240 - Volatile Organics</b>						
1,4-Bromofluorobenzene-d <sub>2</sub>						
Samples	171	85.4	11.74	17	0	74-121
LCS	74	91.9	5.71	0	0	74-121
Blank	37	90.3	6.68	0	0	74-121
Toluene-d <sub>8</sub>						
Samples	171	101.0	11.61	7	2	81-117
LCS	74	104.8	4.42	0	0	81-117
Blank	37	105.1	5.44	0	0	81-117
1,2-Dichloroethane-d <sub>4</sub>						
Samples	171	96.1	7.54	0	0	70-121
LCS	74	98.4	6.96	0	0	70-121
Blank	37	99.8	6.86	0	0	70-121
<b>SW8270 - Semivolatile Organics</b>						
2-Fluorobiphenyl						
Samples	147	91.0	13.20	3	2	30-115
LCS	50	93.6	8.50	0	0	30-115

Table B-4

(Continued)

Parameter/Analyte	No. of Surrogates	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
Blank	24	87.0	17.81	0	0	30-115
2-Fluorophenol						
Samples	147	82.7	15.31	4	0	25-121
LCS	50	75.1	20.38	3	0	25-121
Blank	24	69.2	26.39	3	0	25-121
Nitrobenzene-d <sub>5</sub>						
Samples	147	90.1	15.57	3	1	23-120
LCS	50	88.8	14.02	0	0	23-120
Blank	24	81.5	25.21	1	0	23-120
Phenol-d <sub>5</sub>						
Samples	147	88.6	13.28	3	0	24-113
LCS	50	84.1	13.11	0	0	24-113
Blank	24	78.3	23.31	2	0	24-113
p-Terphenyl-d <sub>4</sub>						
Samples	147	97.6	12.29	0	0	18-137
LCS	50	8.21	8.21	0	0	18-137
Blank	24	99.1	6.50	0	0	18-137
2,4,6-Tribromophenol						
Samples	147	95.0	14.52	0	4	19-122
LCS	50	97.2	6.62	0	0	19-122
Blank	24	92.3	7.37	0	0	19-122
SW8310 - Polynuclear Aromatic Hydrocarbons						
Terphenyl-d <sub>4</sub>						
Samples	86	63.1	24.72	1	0	20-188
LCS	16	74.1	29.70	0	0	20-188
Blank	8	81.5	17.35	0	0	20-188

**Table B-5**

**Summary of Duplicate Results - 1992 Soils**

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries %	QC Limits % Rec.
<b>SW6010 - ICP Metals</b>						
Aluminum	LCS	18	1.0	1	89-97	20
	MS	11	42	54	0-697	20
Antimony	LCS	18	3.0	2	85-104	20
	MS	11	5.9	5	43-81	20
Arsenic	LCS	18	2.7	2	87-111	20
	MS	11	7.1	4	86-122	20
Barium	LCS	18	1.8	2	87-99	20
	MS	11	24	37	24-203	20
Beryllium	LCS	18	1.7	1	84-95	20
	MS	11	1.3	3	89-104	20
Cadmium	LCS	18	1.6	2	84-95	20
	MS	11	1.6	3	88-101	20
Calcium	LCS	18	1.3	1	91-102	20
	MS	11	73	78	0-476	20
Chromium	LCS	18	1.5	1	86-97	20
	MS	11	13	33	87-352	20
Cobalt	LCS	18	1.3	2	85-96	20
	MS	11	2.0	3	87-102	20
Copper	LCS	18	1.3	1	84-96	20
	MS	11	7.4	10	73-106	20
Iron	LCS	18	1.3	1	89-97	20
	MS	11	60	54	0-427	20
Lead	LCS	18	2.4	2	82-101	20
	MS	11	19	48	75-992	20
Magnesium	LCS	18	0.9	1	88-95	20
	MS	11	38	56	0-206	20
Manganese	LCS	18	1.8	1	84-96	20
	MS	11	59	62	0-273	20
Molybdenum	LCS	18	1.8	1	83-97	20
	MS	11	1.8	3	84-100	20
Nickel	LCS	18	1.8	1	86-96	20
	MS	11	3.5	5	80-99	20

**Table B-5**  
**(Continued)**

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries %	QC Limits % Rec.
Potassium	LCS	18	2.2	2	85-100	20
	MS	11	7.5	7	76-147	20
Selenium	LCS	18	6.8	8	73-114	20
	MS	11	8.4	8	85-133	20
Silver	LCS	18	3.6	5	68-94	20
	MS	11	2.4	3	80-94	20
Sodium	LCS	18	1.1	1	90-103	20
	MS	11	4.9	4	93-122	20
Thallium	LCS	18	4.0	3	82-96	20
	MS	11	5.6	5	82-110	20
Vanadium	LCS	18	1.5	1	84-98	20
	MS	11	5.1	6	83-121	20
Zinc	LCS	18	1.6	1	83-94	20
	MS	11	27	59	0-113	20
<b>GFAAS Metals</b>						
Arsenic SW7060	LCS	22	1.2	1	86-104	20
	MS	12	11	19	72-318	20
Lead - SW7421	LCS	21	2.1	2	93-104	20
	MS	12	23	30	7-245	20
Mercury - SW7471	LCS	14	2.7	2	96-110	20
	MS	10	4.2	4	60-105	20
Selenium SW7740	LCS	21	2.4	3	84-101	20
	MS	12	4.5	3	38-90	20
<b>Alaska Method</b>						
DRO	LCS	23	8.9	8	53-109	NS
	MS	12	67	83	0-686	50
<b>SW8015 (modified) - Non-Halogenated Organics</b>						
Benzene	MS	15	3.9	4	79-139	50
Chlorobenzene	MS	15	3.3	3	80-104	50
Ethylbenzene	MS	15	2.7	4	81-115	50
Toluene	MS	15	3.5	4	81-113	50
Xylene	MS	15	2.9	4	81-113	50
<b>SW8080 - Organochlorine Pesticides and PCBs</b>						
Aldrin	LCS	15	7.0	7	81-136	NS
	MS	11	14	24	42-149	50

**Table B-5**  
**(Continued)**

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries %	OC Limits % Rec.
alpha-BHC	LCS	15	5.8	7	83-124	NS
delta-BHC	LCS	15	10	12	76-172	NS
gamma-BHC	LCS	15	5.9	8	79-121	NS
	MS	11	14	21	41-140	50
alpha-Chlordane	LCS	15	8.8	7	90-149	NS
gamma-Chlordane	LCS	15	6.7	7	83-132	NS
4,4'-DDT	LCS	15	8.0	8	81-132	NS
	MS	11	55	67	0-236	50
Dieldrin	LCS	15	4.6	6	79-107	NS
	MS	11	21	36	40-194	50
Endosulfan II	LCS	15	8.7	10	55-100	NS
Endrin	LCS	15	18	18	65-130	NS
	MS	11	10	17	60-120	50
Endrin Aldehyde	LCS	15	27	19	51-110	NS
Heptachlor	LCS	15	7.2	7	78-126	NS
	MS	11	11	16	44-132	50
Heptachlor epoxide	LCS	15	14	27	79-397	NS
Mirex	LCS	15	5.9	6	94-142	NS
PCB-1016	LCS	12	23	25	83-317	NS
PCB-1260	LCS	12	10.0	11	81-126	NS
<b>SW8240 - Volatile Organic Compounds</b>						
Acetone	LCS	37	11	10	67-150	NS
Benzene	LCS	37	3.2	4	75-129	NS
	MS	15	3.9	3	80-150	50
Bromodichloromethane	LCS	37	3.5	3	72-145	NS
Bromoform	LCS	37	6.0	5	62-128	NS
Bromomethane	LCS	37	10	9	43-89	NS
2-Butanone (MEK)	LCS	37	14	15	39-157	NS
Carbon disulfide	LCS	37	15	15	40-154	NS
Carbon tetrachloride	LCS	37	6.9	6	71-122	NS
Chlorobenzene	LCS	31	3.6	5	84-105	NS
	MS	15	3.7	3	90-113	50
Chloroethane	LCS	36	8.9	9	40-119	NS
2-Chloroethylvinyl ether	LCS	37	7.3	8	92-665	NS
Chloroform	LCS	37	5.4	4	91-135	NS

**Table B-5**  
**(Continued)**

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries %	QC Limits % Rec.
Chloromethane	LCS	37	10	10	25-133	NS
Dibromochloromethane	LCS	37	4.3	4	71-129	NS
1,1-Dichloroethane	LCS	37	5.2	4	74-128	NS
1,2-Dichloroethane	LCS	37	5.2	4	84-131	NS
1,1-Dichloroethene	LCS	37	7.0	6	68-127	NS
	MS	15	5.5	5	67-132	50
trans-1,2-Dichloroethene	LCS	37	6.0	5	72-126	NS
1,2-Dichloropropane	LCS	37	5.1	4	69-122	NS
cis-1,3-Dichloropropene	LCS	37	4.5	3	78-121	NS
trans-1,3-Dichloropropene	LCS	37	5.2	4	79-122	NS
Ethylbenzene	LCS	37	14.4	4	76-121	NS
2-Hexanone	LCS	37	12	13	45-125	NS
Methylene chloride	LCS	37	7.0	6	61-148	NS
4-Methyl-2-pentanone	LCS	37	10	11	55-124	NS
Styrene	LCS	37	3.8	3	74-173	NS
Tetrachloroethene	LCS	37	3.8	3	83-131	NS
1,1,2,2-Tetrachloroethane	LCS	37	7.0	6	77-132	NS
Toluene	LCS	37	3.6	4	96-121	NS
	MS	15	3.0	3	95-133	50
1,1,1-Trichloroethane	LCS	37	6.6	5	83-119	NS
1,1,2-Trichloroethane	LCS	37	4.7	3	83-128	NS
Trichloroethene	LCS	37	4.5	5	78-123	NS
	MS	15	3.9	4	83-104	50
Vinyl acetate	LCS	37	15	16	14-314	NS
Vinyl chloride	LCS	37	10	14	32-166	NS
Xylenes	LCS	37	2.8	3	85-121	NS
<b>SW8270 - Semivolatile Organic Compounds</b>						
Acenaphthene	LCS	25	4.2	4	83-122	NS
	MS	14	5.3	4	74-103	50
Acenaphthylene	LCS	25	3.4	3	86-140	NS
Anthracene	LCS	25	4.2	4	86-130	NS
Benzo(a)anthracene	LCS	25	5.4	4	85-120	NS
Benzo(b)fluoranthene	LCS	25	7.6	7	77-136	NS
Benzo(k)fluoranthene	LCS	25	6.5	5	75-136	NS
Benzo(g,h,i)perylene	LCS	25	6.0	5	66-129	NS



**Table B-5**  
**(Continued)**

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries %	QC Limits % Rec.
Benzo(a)pyrene	LCS	25	5.3	4	74-118	NS
Benzoic acid	LCS	25	18	20	0-157	NS
Benzyl alcohol	LCS	25	5.6	4	72-120	NS
bis(2-Chloroethoxy)methane	LCS	25	4.3	3	70-119	NS
bis(2-Chloroethyl)ether	LCS	25	7.0	9	32-130	NS
bis(2-Chloroisopropyl)ether	LCS	25	10.3	12	25-166	NS
bis(2-Ethylhexyl)phthalate	LCS	25	5.3	5	79-118	NS
4-Bromophenyl phenyl ether	LCS	25	4.4	4.	77-116	NS
Butylbenzylphthalate	LCS	25	6.4	5	80-127	NS
p-Chloro aniline	LCS	25	6.2	8	80-140	NS
4-Chloro-3-methylphenol	LCS	25	3.9	4	76-112	NS
	MS	14	4.0	3	76-97	50
2-Chloronaphthalene	LCS	25	5.3	5	73-108	NS
4-Chlorophenyl phenyl ether	LCS	25	3.5	3	90-123	NS
2-Chlorophenol	LCS	25	6.9	8	24-100	NS
	MS	14	3.2	3	75-96	50
Chrysene	LCS	25	5.4	5	82-119	NS
Dibenzo(a,h)anthracene	LCS	25	5.7	5	59-119	NS
Dibenzofuran	LCS	25	3.6	3	84-118	NS
Di-n-butylphthalate	LCS	25	4.3	3	86-121	NS
1,2-Dichlorobenzene	LCS	25	8.9	15	12-121	NS
1,3-Dichlorobenzene	LCS	25	10.0	20	7-115	NS
1,4-Dichlorobenzene	LCS	25	9.4	18	7-117	NS
	MS	14	5.5	5	42-95	50
3,3'-Dichlorobenzidine	LCS	25	6.5	6	110-165	NS
2,4-Dichlorophenol	LCS	25	3.8	3	65-99	NS
Diethylphthalate	LCS	25	3.7	3	90-135	NS
2,4-Dimethylphenol	LCS	25	7.4	5	38-95	NS
Dimethylphthalate	LCS	25	3.6	3	84-129	NS
2,6-Dinitro-2-methylphenol	LCS	25	5.9	6	80-155	NS
2,4-Dinitrophenol	LCS	25	8.2	10	69-207	NS
2,4-Dinitrotoluene	LCS	25	4.5	4	86-125	NS
	MS	14	5.8	4	71-103	50
2,6-Dinitrotoluene	LCS	25	4.5	3	92-135	NS
Di-n-octylphthalate	LCS	25	5.2	5	83-144	NS



**Table B-5**  
**(Continued)**

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries %	QC Limits % Rec.
Fluoranthene	LCS	25	5.5	7	80-112	NS
Fluorene	LCS	25	4.5	4	76-113	NS
Hexachlorobenzene	LCS	25	5.0	5	70-120	NS
Hexachlorobutadiene	LCS	25	6.5	6	35-103	NS
Hexachlorocyclopentadiene	LCS	25	41	53	0-191	NS
Hexachloroethane	LCS	25	9.4	18	10-120	NS
Indeno(1,2,3)pyrene	LCS	25	6.9	6	64-110	NS
Isophorone	LCS	25	3.7	4	83-124	NS
2-Methylnaphthalene	LCS	25	3.8	3	78-146	NS
2-Methylphenol	LCS	25	5.3	4	58-103	NS
4-Methylphenol	LCS	25	4.2	3	65-102	NS
Naphthalene	LCS	25	4.5	4	56-123	NS
2-Nitroaniline	LCS	25	5.4	5	82-129	NS
3-Nitroaniline	LCS	25	5.8	6	80-138	NS
4-Nitroaniline	LCS	25	4.6	4	87-129	NS
Nitrobenzene	LCS	25	5.3	4	56-152	NS
2-Nitrophenol	LCS	25	4.8	4	62-120	NS
4-Nitrophenol	LCS	25	5.2	4	58-118	NS
	MS	14	11	13	62-121	50
n-Nitrosodiphenylamine	LCS	25	4.9	4	80-118	NS
n-Nitrosodipropylamine	LCS	25	4.6	4	77-124	NS
	MS	14	6.5	4	58-106	50
Pentachlorophenol	LCS	25	4.6	4	62-98	NS
	MS	14	4.7	3	63-85	50
Phenanthrene	LCS	25	4.5	6	75-106	NS
Phenol	LCS	25	6.2	5	47-107	NS
	MS	14	4.2	3	69-99	50
Pyrene	LCS	25	5.1	6	81-113	NS
	MS	14	5.3	4	73-110	50
1,2,4-Trichlorobenzene	LCS	25	4.7	5	46-110	NS
	MS	14	3.8	3	63-102	50
2,4,5-Trichlorophenol	LCS	25	4.9	5	74-102	NS
2,4,6-Trichlorophenol	LCS	25	5.1	4	60-79	NS

**Table B-5**  
**(Continued)**

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries %	QC Limits % Rec.
<b>SW8310 - Polynuclear Aromatic Hydrocarbons</b>						
Acenaphthene	LCS	8	21	27	29-96	NS
	MS	7	30	48	0-202	50
Acenaphthylene	LCS	9	17	27	44-102	NS
	MS	7	29	29	11-78	50
Anthracene	LCS	8	21	33	24-94	NS
	MS	7	26	17	16-89	50
Benzo(a)anthracene	LCS	8	18	30	29-97	NS
Benzo(a)pyrene	LCS	8	22	28	26-83	NS
Benzo(b)fluoranthene	LCS	8	22	29	34-103	NS
Benzo(g,h,i)perylene	LCS	8	20	28	25-93	NS
Benzo(k)fluoranthene	LCS	8	21	32	24-92	NS
	MS	7	19	11	17-115	50
Chrysene	LCS	8	25	35	31-100	NS
Dibenzo(a,h)anthracene	LCS	8	23	32	21-87	NS
	MS	7	20	15	17-82	50
Fluoranthene	LCS	8	21	28	29-100	NS
Fluorene	LCS	8	24	32	25-107	NS
	MS	7	29	28	18-97	50
Indeno(1,2,3)pyrene	LCS	9	19	32	26-125	NS
Naphthalene	LCS	8	24	26	40-112	NS
	MS	7	73	88	0-116	50
Phenanthrene	LCS	8	19	28	27-100	NS
	MS	7	30	26	19-288	50
Pyrene	LCS	8	20	29	26-91	NS

#### **4.0**

### **QC RESULTS FOR 1992 GROUND WATER SAMPLE ANALYSES**

Quality control procedures and activities implemented during this program provide a basis for estimating data precision and accuracy. QC procedures associated with investigative groundwater samples included the analysis of field and laboratory blanks, matrix and surrogate spikes, laboratory control samples, and analytical, matrix spike, and field duplicates. Results of these analyses are discussed in this section. Detailed listings of the QC results for the 1992 sampling and analysis program are presented in Attachment A.

#### **4.1**

### **Total Dissolved Solids**

Filterable residue (also known as total dissolved solids or TDS) in water is determined using U.S. EPA Method 160.1. In this gravimetric method, the sample is filtered, transferred to a pre-weighed evaporating dish, and evaporated to dryness at 180°C. The sample is cooled, and then weighed; the drying cycle is repeated until a constant weight is obtained.

#### **4.1.1**

### **Blanks**

Eight method blanks and one equipment blank were analyzed for total dissolved solids using EPA Method 160.1. No analytical contamination was indicated in the method blank analyses. A slight amount of contamination was shown in the equipment blank (11 mg/L) as compared to the method reporting limits at 10 mg/L. However, no corrective action was required at this low concentration.

#### **4.1.2**

### **Spikes**

A total of eight LCS pairs were analyzed to evaluate method accuracy for EPA Method 160.1. The mean recovery for these analyses was 109.4% with a

standard deviation of 6.68. These results are well within the 75-125% recovery objectives and indicate that good accuracy was achieved for this method.

#### **4.1.3 Duplicates**

The precision estimate for TDS is based on the analysis of eight LCS pairs. The mean RPD for the LCS pairs was 2% which shows that good precision was achieved for these analyses.

#### **4.2 SW6010 - Metals**

Groundwater samples were analyzed to determine the concentrations of 23 (less boron and silicon) elements. Groundwater samples were prepared according to SW3005. The metals concentrations were determined by SW6010 which allows the simultaneous, or sequential, measurement of elements using Inductively Coupled Plasma Emission Spectroscopy (ICPES). This method measures the emitted light of each element by optical spectrometry. Samples are nebulized, and the resulting aerosol is transported to the plasma torch. Element specific atomic-line emission spectra are produced which are dispersed by a grating spectrometer. Intensities of the lines are monitored by photomultiplier tubes.

##### **4.2.1 Blanks**

Seventeen method blanks, associated with project water samples, were analyzed for 23 metallic analytes by SW6010. Table B-6 presents a summary of the results for the blank analyses. With the exception of iron, no target SW6010 analytes were detected in any of the method blank analyses. Results of the method blanks analyzed 10/11/92 (analytical batch #JA61101118-001) and 11/05/92 (analytical batch #JA61110513- 001) showed iron (0.065 and 0.075 mg/L, respectively) was detected within three times the reporting limit (0.05 mg/L). Investigative field

samples results in these two analytical batches may also be biased slightly high.

Thirteen equipment rinsate blanks were analyzed by SW6010 to assess potential sample contamination from the sampling equipment. Iron and sodium were detected in blank 05-DS-06 (collected 8/01/92 at 0.087 mg/L and 1.1 mg/L, respectively); copper and iron were found in blank 06-DS-06 (collected 8/02 at 0.020 mg/L and 0.088 mg/L, respectively); copper and lead were found in blank 10-DS-04 (collected 8/29 with concentrations at 0.02 mg/L and 0.052 mg/L, respectively); manganese and iron were found in blank 05-DS-10 (collected 9/21 with concentrations at 0.011 mg/L and 0.11 mg/L); and iron in blanks 07-DS-05 and 10-DS-07 (collected 8/9 and 9/7 with concentrations at 0.54 and 0.21 mg/L). These results do not indicate substantial contamination problems. However, these elements may be slightly biased high in the groundwater samples collected with the same equipment on the sampling dates indicated. Table B-6 presents a summary of the blank results.

#### **4.2.2 Spikes**

Fifteen laboratory control sample pairs (LCS/LCSDs) were analyzed by SW6010 with the water samples to assess method accuracy. All mean and individual LCS/LCSD recoveries were within acceptance criteria for the method (80-120%). Fourteen MS/MSD pairs were analyzed to assess the method accuracy for the water matrices. All mean MS/MSD recoveries were within the project acceptance criteria of 75-125 percent. However, a single calcium, magnesium, potassium, and sodium LCS recovery was above the QC limits and one iron, two manganese, and nine calcium recoveries were below the QC limits. Generally, since the LCS recoveries and the majority of MS/MSD recoveries were within QC criteria, acceptable method accuracy is indicated for all metals. Table B-7 summarizes results for the LCS/LCSD analyzed with the water samples.

#### **4.2.3 Duplicates**

Precision estimates for metals analyzed by Method SW6010 were calculated as the mean RPDs based on the analysis of 13 LCS pairs. Mean RPDs ranged from 0.5% to 3.0%, all well within the laboratory stated precision objectives of  $RPD \leq 20$  percent. Precision estimates based on the analysis of 14 matrix spiked sample pairs showed mean RPDs ranging from 1.6% to 21 percent. Calcium was the only element with a mean RPD above the precision objectives. Overall, SW6010 indicates that acceptable precision was achieved for all metals analyzed by method SW6010. Table B-10 provides a summary of the precision estimates for the water samples.

#### **4.3 SW7060 - Arsenic**

Groundwater samples were analyzed by SW7060 to determine the concentrations of arsenic. In this method, a sample aliquot is placed in a graphite tube in the furnace, evaporated, charred, and atomized. Radiation from a given excited element is passed through the vapor containing ground-state atoms of arsenic. The intensity of the radiation decreases in proportion to the amount of ground-state atoms present. A monochromator isolates the characteristic radiation from the hollow cathode tube or electrodeless discharge lamp, and a photosensitive device measures the attenuated transmitted radiation.

##### **4.3.1 Blanks**

Thirteen equipment blanks and fifteen method blanks were analyzed by SW7060 to assess potential arsenic contamination. No arsenic was found in any of the blank analyses which shows no arsenic contamination contributed during sample collection or analysis. Table B-6 presents a summary of blank results.

#### **4.3.2        Spikes**

Fifteen LCS/LCSD samples were analyzed for arsenic by SW7060 to assess method accuracy. Reported recoveries were within the project acceptance criteria (85-115%). The mean LCS recovery was 94.9 % with a standard deviation of 4.94 which overall indicates acceptable method accuracy. Thirteen samples were also analyzed as MS/MSD pairs to assess the effects of the sample matrix on method accuracy. One MS/MSD pair analyzed on 9/16 (analytical batch Z3091608) showed recoveries (54%/51%) which were below the QC limits of 75-125 percent. A summary of the LCS results are presented in Table B-7 and the MS/MSD results are summarized in Table B-8.

#### **4.3.3        Duplicates**

Precision estimates for arsenic analyses by Method SW7060 were calculated based on the recovery of LCS duplicated and MS/MSD pairs. The mean RPD based on the analysis of 13 LCS duplicates was 2.2%, and the mean RPD based on the MS/MSD pairs was 1.6 percent. These results show acceptable method precision and meet the laboratory precision objective of  $RPD \leq 20$  percent. Precision estimates are presented in Table B-11.

#### **4.4            SW7421 - Lead**

Groundwater samples were analyzed by Method SW7421 to determine the concentrations of lead. In this method, a sample aliquot is placed in a graphite tube in the furnace, evaporated, charred, and atomized. Radiation from a given excited element is passed through the vapor containing ground-state atoms of lead. The intensity of the radiation decreases in proportion to the amount of ground-state atoms present. A monochromator isolates the characteristic radiation from the hollow cathode tube or electrodeless discharge lamp, and a photosensitive device

measures the attenuated transmitted radiation.

#### **4.4.1 Blanks**

Thirteen equipment blanks and fourteen method blanks were analyzed by SW7421 to assess potential lead contamination. Lead was found in 11 of the equipment blanks analyzed in concentrations ranging from 0.005 mg/L to 0.031 mg/L which indicates that low levels of lead contamination may have been contributed to the investigative samples by the sampling equipment. Lead was detected in three method blanks with concentrations ranging from 0.0038 mg/L to 0.0062 mg/L. Table B-6 presents a summary of blank results.

#### **4.4.2 Spikes**

Fourteen LCS/LCSD samples were analyzed for lead by SW7421 to assess method accuracy. Reported recoveries were within the project acceptance criteria (85-115%) except for one result (116%) which was just above the QC limits. The mean LCS recovery was 102.7% with a standard deviation of 6.09 which overall indicates acceptable method accuracy. Thirteen samples were also analyzed as MS/MSD pairs to assess the effects of the sample matrix on method accuracy. One MS pair analyzed on 9/21 (analytical batch Z2092118) showed a recovery (60%) below the QC limits and two recoveries (119% and 130%) above the QC limits. A summary of the LCS results are presented in Table B-7 and the MS/MSD results are summarized in Table B-8.

#### **4.4.3 Duplicates**

Thirteen LCS duplicate pairs and thirteen matrix spiked duplicates were analyzed by Method SW7421 to estimate precision for the lead analyses. The mean RPD was 2.9% for the LCS pairs and 8.8% for the MS/MSD pairs. These results



show acceptable method precision and meet the laboratory objective of an RPD of  $\leq 20$  percent. Precision estimates are presented in Table B-6.

#### **4.5            SW7470 - Mercury**

Water samples were prepared as directed in SW7470 and analyzed by the cold vapor atomic absorption spectrometry (CVAA) technique. During preparation, mercury in the sample is reduced to the elemental state. An aliquot of the prepared sample is then aerated from solution in a closed system. The mercury vapor passes through a cell positioned in the light path of an atomic absorption spectrometer.

##### **4.5.1            Blanks**

Thirteen equipment blanks and fourteen method blanks were analyzed by SW7470 to assess potential mercury contamination. Low levels of mercury (0.0002 to 0.00034 mg/L) were found in 7 of the equipment blanks and 11 of the method blanks. A similar low level of mercury background may be expected in the investigative samples.

##### **4.5.2            Spikes**

Fifteen LCS/LCSD samples were analyzed for mercury by SW7470 to assess method accuracy. The mean LCS recovery was 99.8% with a standard deviation of 5.60, which indicates good accuracy was achieved for the method. Thirteen samples were analyzed as MS/MSD pairs to assess the effects of the sample matrix on method accuracy. The mean recovery for the MS/MSD pairs was 78.0% with a standard deviation of 10.82. Thirteen of the total of twenty-six matrix spike results were below the 75-125% acceptance limits. A summary of the LCS results are presented in Table B-7 and the MS/MSD results are summarized in Table B-8.

#### **4.5.3 Duplicates**

Precision estimates for groundwater samples analyzed for mercury by Method SW7470 were based on the analysis of 12 LCS duplicate pairs and 13 MS/MSD pairs. The mean RPD for the LCS pairs was 1.8% and the mean RPD for the MS/MSD pairs was 2.7 percent. Both precision estimates were both well within the stated laboratory precision objectives of  $RPD \leq 20$  percent. Precision estimates are presented in Table B-11.

#### **4.6 SW7740 - Selenium**

Groundwater samples were analyzed by SW7740 to determine the concentrations of selenium. In this method, a sample aliquot is placed in a graphite tube in the furnace, evaporated, charred, and atomized. Radiation from a given excited element is passed through the vapor containing ground-state atoms of selenium. The intensity of the radiation decreases in proportion to the amount of ground-state atoms present. A monochromator isolates the characteristic radiation from the hollow cathode tube or electrodeless discharge lamp, and a photosensitive device measures the attenuated transmitted radiation.

##### **4.6.1 Blanks**

Thirteen equipment blanks and 15 method blanks were analyzed by SW7740 to assess potential selenium contamination. No selenium was found in any of the blank analyses which shows that no selenium contamination was contributed during sample collection or analysis. Table B-6 presents a summary of blank results.

##### **4.6.2 Spikes**

Fifteen LCS/LCSD samples were analyzed for selenium by SW7740 to

assess method accuracy. Reported recoveries were within the project acceptance criteria (85-115%). The mean LCS recovery was 97.0% with a standard deviation of 8.12 which indicates acceptable method accuracy. In addition, thirteen samples were analyzed as MS/MSD pairs to assess the effects of the sample matrix on method accuracy. The mean recovery for the MS/MSD pairs was 59% with a standard deviation of 21.95. Twenty out of a total of 26 results were below the acceptance criteria. One MS pair analyzed on 9/21 (analytical batch Z2092118) showed a recovery (60%) below the QC limits and two recoveries (119% and 130%) above the QC limits. A summary of the LCS results are presented in Table B-7 and the MS/MSD results are summarized in Table B-8.

#### **4.6.3 Duplicates**

Precision estimates for the selenium analyses by Method SW7740 are based on the analysis of 13 LCS and MS/MSD duplicates. The mean RPD for the LCS pairs was 2.9% and the mean RPD based on the MS/MSD pairs was 4.5 percent. Both precision estimates were well within the laboratory stated objectives of  $RPD \leq 20$  percent. A summary of the precision estimates is presented in Table B-10.

#### **4.7 SW8010 - Halogenated Volatile Organics**

Halogenated volatile organics in water and soil samples are analyzed using Method SW8010. This method is a purge-and-trap (SW5030) gas chromatographic method. An inert gas is bubbled through a water matrix to transfer the volatile halocarbons from the liquid to the vapor phase. The volatile compounds are removed from the inert gas by passing it through a sorbent trap, which is then backflushed onto a gas chromatographic column with an electrolytic conductivity detector to separate and quantify the compounds of interest.

#### **4.7.1 Blanks**

Five equipment blanks, 21 trip blanks, four ambient conditions blanks and 20 method blanks were analyzed according to SW8010 to assess potential contamination of the sampling and analytical system with halogenated volatile organics. Methylene chloride and chloroform were found in three equipment blanks, trip blanks and ambient blanks at concentrations greater than three times the reporting limits. 1,1,1-Trichloroethene was also found in one equipment blank, three trip blanks and two ambient blanks at less than three times the reporting limit. 1,1,2,2-Tetrachloroethane, trichloroethane, and trichlorofluoromethane were detected in more than one of the trip blanks. 1,1,2,2-Tetrachloroethane was the only compound in the method blanks during the primary analyses.

#### **4.7.2 Spikes**

To assess method accuracy, 37 LCS pairs were analyzed according to SW8010. Acceptable method accuracy was indicated by mean recoveries for each target analyte within SAP acceptance criteria. Twenty-seven MS/MSD pairs were analyzed to assess the matrix effects on method accuracy. Good accuracy was also shown with all mean MS/MSD recoveries being within acceptance criteria. LCS and matrix spikes were also spiked with two surrogate compounds, 1-bromo-4-fluorobenzene and bromochloromethane, to assess extraction and analytical accuracy. All report surrogate spike recoveries were within criteria. These results indicate acceptable analytical control. Summaries of spike results are presented in Tables B-7 through B-9.

#### **4.7.3 Duplicates**

Thirty-one LCS pairs were analyzed by method SW8010 to estimate method precision. The mean RPD for the SW8010 analytes ranged from 5.2% to 14

percent. Twenty-seven MS/MSD pairs were also analyzed during the program. The mean RPDs for these samples ranged from 5.4% to 11 percent. These results indicate that good precision was achieved with this method. Precision estimates for the SW8010 method are given in Table B-10.

#### **4.8            SW8015 - Nonhalogenated Volatile Organics**

Petroleum hydrocarbons including BTEX, diesel, gasoline, and jet fuel can be analyzed by a modification of Method SW8015. Water samples are analyzed for purgeable TPH/BTEX using the purge and trap method described in Method SW5030. Final detection and quantitation is by gas chromatography using a photoionization detector (PID) for volatile aromatics and a flame ionization detector (FID) for gasoline.

##### **4.8.1            Blanks**

Five equipment blanks, 19 trip blanks, four ambient conditions blanks and 21 method blanks were analyzed according to SW8015 to assess potential sampling and analytical contamination with nonhalogenated volatile organics. No analytes of interest were found in any of the blanks analyzed by this method indicating that no contamination was contributed by the sampling and analytical activities. Table B-6 summarizes the blank results.

##### **4.8.2            Spikes**

A total of 18 LCS pairs were analyzed according to Method SW8015 to assess method accuracy. Acceptable recoveries were indicated by mean recoveries ranging from 92.1% to 102%, all within SAP acceptance criteria. A total of 14 MS/MSD pairs were analyzed to assess matrix effects on method accuracy. Good accuracy was also shown with all mean MS/MSD recoveries being within acceptance

criteria. LCS and MS/MSD pairs were also spiked with one surrogate compound, 2-butanol, to assess extraction and analytical efficiency. Mean recoveries for the surrogate spikes were all well within the acceptance criteria. These results indicate acceptable analytical accuracy was achieved for this method for the groundwater samples. Summaries of the spike results are presented in Tables B-7 through B-9.

#### **4.8.3 Duplicates**

Fourteen LCS pairs were analyzed by Method SW8015 to estimate method precision. The mean RPD for the SW8015 analytes ranged from 1.7% to 6.0% percent. Fourteen MS/MSD pairs were also analyzed during the program. The mean RPDs for these samples ranged from 2.1% to 5.4 percent. These results indicate that excellent precision was achieved with this method. Precision estimates for the SW8015 method are given in Table B-10.

#### **4.9 Alaska Methods - Gasoline Range Organics and Diesel Range Organics**

The Alaska Method for diesel range organics (DRO) is designed to measure the concentration of DRO, C-10 through C-28 (boiling range 170°C - 430°C), in water and soil. Samples are extracted with methylene chloride and the extract is dried and concentrated in hexane. The extract is analyzed by injection onto the capillary column of a gas chromatograph equipped with a flame ionization detector (FID). Quantitation is performed by comparing the total chromatographic area between n-C10 and n-C28, including resolved and unresolved components, to the response of a calibration standard.

The Alaska Method for gasoline range organics (GRO) was used to measure the concentration of GRO, C-6 through C-10 (boiling range 60°C - 170°C), in water and soil. Water samples are analyzed directly by purge-and-trap gas chromatography (FID/PID). Soil samples are extracted into methanol and a portion

of the methanol extract is analyzed by purge-and-trap GC. Quantification is based on a direct comparison of the area within the range of 2-methyl pentane and 1,2,4-trimethylbenzene.

#### **4.9.1 Blanks**

Thirteen equipment blanks and twenty-two method blanks were analyzed according to the Alaska Methods to assess potential sampling and analytical contamination with diesel range organics. No DRO was found in any of the blanks analyzed by this method. Table B-6 summarizes the blank results.

#### **4.9.2 Spikes**

Twenty-one LCS pairs were analyzed for DRO and twenty-three LCS pairs were analyzed for GRO by the Alaska Methods. Acceptable method accuracy was achieved for both DRO and GRO. Twelve MS/MSD pairs were analyzed for both DRO and GRO to assess matrix effects on method accuracy. Good accuracy was also shown with all mean MS/MSD recoveries being within the acceptance criteria. However, three spikes were below the acceptance criteria. One surrogate spike compound, triacontane, was added to 24 samples. All surrogate spikes were recovered within acceptance criteria as given in the SAP. These results indicate acceptable analytical accuracy for the method. Summaries of the spike results are presented in Tables B-7 through B-9.

#### **4.9.3 Duplicates**

Precision estimates for groundwater samples analyzed for DRO and GRO are based on the analysis of 19 LCS pairs for DRO and 21 LCS pairs for GRO. The mean RPD for the DRO LCS pairs was 7.9% and the mean RPD for the GRO LCS pairs was 9.6 percent. The mean RPD for the DRO based on the MS/MSD

pairs was 9.9 percent. These results indicate good precision was achieved for these samples. The precision estimates are presented in summary form in Table B-10.

#### **4.10        SW8020 - Aromatic Volatile Organics**

Aromatic volatile organics in water and soil samples are analyzed using Method SW8020. This method, also known as BTX since the compounds of interest include benzene, toluene, and xylene, is a purge-and-trap gas chromatographic method. An inert gas is bubbled through a water matrix to transfer the volatile aromatic hydrocarbons from the liquid to the vapor phase. The aromatics are removed from the inert gas by passing it through a sorbent trap, which is then backflushed onto a gas chromatographic column with a photoionization detector to separate and quantify the compounds of interest.

##### **4.10.1        Blanks**

Nine equipment blanks, 20 trip blanks, four ambient conditions blanks and 36 method blanks were analyzed according to SW8020 to assess potential sampling and analytical contamination with aromatic volatile organics. Benzene, dichlorobenzene, ethylbenzene, toluene, xylene, and gasoline were found in one or more ambient blanks at concentrations above the method reporting limits. (Only toluene and gasoline were found at levels greater than three times the MRL.) Chlorobenzene, ethylbenzene, toluene, xylene, and gasoline were also found in one or more of the trip blanks. (Only toluene was found at levels greater than three times the MRL.) Toluene, xylene, and gasoline were also found in one or two equipment blanks. (Gasoline was detected at 150-1200  $\mu\text{g/L}$  with a MRL of 50  $\mu\text{g/L}$ .) Chlorobenzene, 1,2-dichlorobenzene, toluene and xylene were detected in a single method blank at a level near the MRL. Table B-6 summarizes the blank results.



#### **4.10.2        Spikes**

A total of 37 LCS pairs were analyzed by SW8020 to assess method accuracy. The mean recovery for each SW8020 target analyte was within SAP acceptance criteria indicating acceptable method accuracy. Twenty-five MS/MSD pairs were analyzed to determine matrix effects on method accuracy. The mean recovery for each analyte was within acceptance criteria. However, benzene, toluene, and gasoline recoveries were below acceptance criteria for one or more spikes, and benzene, ethylbenzene, and toluene were above criteria in one or more samples. Two surrogate compounds, 1-bromo-4-fluorobenzene and trifluorotoluene, were added to the samples to assess the extraction and analytical efficiency. All reported surrogate recoveries were within the stated method requirements. These results indicate acceptable analytical accuracy. Summaries of the spike results are presented in Table B-7 through B-9.

#### **4.10.3        Duplicates**

Twenty-five LCS pairs were analyzed by Method SW8020 to estimate method precision. The mean RPD for the SW8020 analytes ranged from 5.1% to 11 percent. Twenty-three MS/MSD pairs were also analyzed by SW8020. The precision estimates based on these samples showed higher variability with mean RPDs ranging from 9.6% to 14 percent. Overall, these results indicate that acceptable precision was achieved with this method. Precision estimates for the SW8020 method are given in Table B-10.

#### **4.11        SW8080 - Organochlorine Pesticides and PCBs**

Organochlorine pesticides and polychlorinated biphenyls (PCBs) in water samples are analyzed using Method SW8080. This analytical method involves extraction of the sample with methylene chloride, followed by exchange to hexane

and concentration of the extract. The pesticides and PCBs are separated and quantified by gas chromatography using electron capture detection. Both neat and diluted liquids may be analyzed by direct injection on to the chromatographic column.

#### **4.11.1 Blanks**

Low levels ( $\leq 3$  times MRL) of aldrin, alpha-BHC, beta-BHC, delta-BHC, DDD DDE, DDT dieldrin, endosulfan II, endrin aldehyde, and gamma-BHC were found in one or more of the method blanks analyzed by SW8080. Endosulfan I, endrin and heptachlor epoxide were detected at levels greater than  $\geq$  three times the reporting limit in one or more the equipment and method blanks. The investigative samples associated with these samples may also show a similar background concentration of these compounds. A summary of the blank results is presented in Table B-6.

#### **4.11.2 Spikes**

To assess method accuracy, 20 LCS samples were analyzed according to Method SW8080. Acceptable method accuracy was indicated by mean recoveries for each target analyte within SAP acceptance criteria. Twelve MS/MSD pairs were analyzed to assess matrix effects on method accuracy. Good accuracy was also shown with all mean MS/MSD recoveries within acceptance criteria. A single spike for heptachlor was above the acceptance criteria. Each blank, QC sample and groundwater sample was spiked with two surrogate compounds to assess extraction and analytical efficiency. All surrogate recoveries were within criteria for the 110 sample spikes except for 1 dibutylchlorenate spike (173 %) and 4 TCMX spikes (179-571%) which were above criteria. Overall, these results indicate acceptable analytical accuracy for this method with this matrix. Summaries of the spike results are presented in Tables B-7 to B-9.

#### **4.11.3 Duplicates**

Precision estimates for organochlorine pesticides and PCBs analyzed by method SW8080 were calculated as mean RPDs based on the analysis of 19 LCS pairs. Mean RPDs ranged from 4.2% to 16%, all well within the SAP stated precision objectives of  $RPD \leq 50$  percent. Precision estimates based on the analysis of 12 matrix spiked sample pairs showed similar mean RPDs ranging from 4.4% to 6.8 percent. Acceptable precision was achieved for this method for the groundwater samples. Precision estimates are presented in Table B-10 for all SW8080 analytes.

#### **4.12 SW8240 - Volatile Organic Compounds**

Volatile, or purgeable, organics in water and soil samples are analyzed using Method SW8240. This method uses a purge-and-trap GC/MS technique. An inert gas is bubbled through the water samples, to transfer the purgeable organic compounds from the liquid to vapor phase. The vapor is then swept through a sorbent trap where the purgeable organics are trapped. The trap is backflushed and heated to desorb the purgeable organics onto a gas chromatographic column where they are separated and then detected with a mass spectrometer.

##### **4.12.1 Blanks**

Six equipment blanks, eighteen trip blanks, five ambient conditions blanks, and four method blanks were analyzed according to SW8240 to assess potential volatile organic contamination. Methylene chloride was detected in one equipment blank ( $5.5 \mu\text{g/L}$ ), two trip blanks ( $8.6\text{-}19 \mu\text{g/L}$ ), and two ambient blanks ( $6.3\text{-}9.3 \mu\text{g/L}$ ) at concentrations above the reporting limit ( $5 \mu\text{g/L}$ ). Acetone was detected ( $110\text{-}160 \mu\text{g/L}$ ) in eight trip blanks above the reporting limit of  $100 \mu\text{g/L}$ . No other target SW8240 analytes were detected at or above the detection limits in any of the blank analyses. However, benzene, 2-butanone, chloroform, 2-hexanone,

4-methyl-2-pentanone, and toluene were detected at concentrations below the reporting limits. Overall, these results indicate that groundwater samples results may include methylene chloride contamination at concentrations similar to that detected in the trip and ambient blanks. A summary of the blank results is presented in Table B-6.

#### **4.12.2        Spikes**

A total of four LCS pairs were analyzed according to SW8240 to assess method accuracy. All target analyte recoveries for the LCS analyses were within SAP acceptance criteria except for one LCS pair for 2-chloroethylvinyl ether which was above the criteria. No MS/MSD analyses were performed for the groundwater samples analyzed by SW8240. Three surrogate spike compounds (1,2-dichloroethane- $d_{14}$ , 1,4-bromofluorobenzene, and toluene- $d_8$ ) were added to each blank, QC sample, and groundwater sample. No surrogate recoveries for the groundwater sample analyses were outside the acceptance criteria. These spike results showed good method accuracy and that the laboratory systems were within the project QC criteria at the time of sample analysis. Summary listings of spike results are presented in Tables B-7.

#### **4.12.2        Duplicates**

Four duplicate LCS samples were analyzed according to SW8240 to estimate precision. Mean RPDs for the LCS duplicate pairs ranged from 1.5% to 21 percent. These results indicate good precision and meet the SAP precision objectives of  $RPD \leq 50$  percent. Precision estimates are presented in Table B-10.

#### **4.13        SW8270 - Semivolatile Organics**

Semivolatile organics, also known as base/neutral and acid extractables,

in water samples are analyzed using Method SW8270. These techniques quantitatively determine the concentration of a number of semivolatile organic compounds. Organic compounds are extracted from the sample with methylene chloride at pH greater than 12 to obtain base/neutral extractables. Acid extractable compounds are obtained from the sample by extraction with methylene chloride at pH 2 or less. Both base/neutral and acid extracts are then concentrated by removal of the methylene chloride through evaporation. Compounds of interest are separated and quantified using a GC/MS.

#### **4.13.1       Blanks**

Twelve equipment blanks and 31 method blanks were analyzed by SW8270 to assess potential contamination. No semivolatile organic compounds were detected at or above the reporting limits in any of the blanks analyzed with the groundwater samples. Bis(2-ethylhexyl)phthalate, a common laboratory contaminant, was detected in three method blanks and one equipment blank at concentrations below the reporting limits. These results indicate that blank contamination was not a problem with the SW8270 analyses. A summary of blank results is presented in Table B-6.

#### **4.13.2       Spikes**

To assess method accuracy, 31 LCS pairs were analyzed by SW8270. Acceptable accuracy was achieved because no target analytes were recovered outside SAP specified acceptance criteria. Eleven MS/MSD pairs were analyzed to estimate matrix effects on method accuracy. Mean recoveries for the 11 spike compounds were all within the project acceptance criteria. One 4-chloro-3-methylphenol, three 2-chlorophenol, four 2,4-Dinitrotoluene and two phenol individual recoveries were below the acceptance criteria.

Six surrogate compounds were added to each sample, QC sample, and blank analyzed according to Method SW8270. All calculated mean recoveries were within acceptance criteria. Three 2-fluorobiphenyl, twenty 2-fluorophenol, 1, nitrobenzene-d5, five phenol-d5, one terphenyl-d14, and six 2,4,6-tribromophenol recoveries out of the 97 were below the criteria. Four nitrobenzene-d5 and two phenol-d5 recoveries were above criteria. Overall, the SW8270 surrogate recoveries indicated acceptable method accuracy.

#### **4.13.3 Duplicates**

Twenty-five LCS duplicate pairs and 11 MS/MSD pairs were analyzed by SW8270 to estimate precision. Mean RPDs for the LCS pairs ranged from 5.2% to 131% and mean RPDs for the MS/MSD pairs ranged from 5.5% to 30 percent. All precision estimates were within the stated objectives ( $RPD \leq 50\%$ ) except hexachlorocyclopentadiene. Overall, these results indicate good precision was achieved for SW8270. Precision estimates are summarized for each SW8270 analyte in Table B-10.

#### **4.14 SW8310 - Polynuclear Aromatic Hydrocarbons (PAHs)**

Method SW8310 is used to determine the concentration of selected PAHs in groundwater samples. Method SW8310 uses high performance liquid chromatography (HPLC) for the detection of ppb levels of PAHs. Samples are analyzed by direct injection. Detection is by ultraviolet and fluorescence detectors.

##### **4.14.1 Blanks**

Nine method blanks and five equipment blanks were analyzed for polynuclear aromatic hydrocarbons using SW8310. A summary of blank results is presented in Table B-6. Benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene,

and naphthalene were detected in one or more blanks at levels below the reporting limits. No polynuclear aromatic target analytes were detected at or above the reporting limits in any blank analysis. This shows that no substantial PAH contamination problems existed at the time of sample analysis.

#### **4.14.2        Spikes**

Nine LCS pairs were analyzed with the water samples according to Method SW8310 to assess method accuracy. Mean recoveries ranged from 70.6% to 100.5%, all within the acceptance criteria as stated in the SAP. No individual recoveries for any of the LCS compounds were outside the stated criteria. Eight matrix spike compounds were spiked into the groundwater samples for MS/MSD analyses. MS/MSD results showed acceptable method accuracy with mean recoveries ranging from 57.8% to 94.5 percent. One surrogate spike compound, terphenyl-d14, was added to each sample, blank, LCS and MS/MSD analyzed by Method SW8310. Mean surrogate recoveries ranged from 76.6-88.2% and all individual recoveries were within the recovery objectives (22-157%) stated in the SAP. Summary listings of spike results are presented in Tables B-7 through B-8. Overall, spike results suggest acceptable accuracy for groundwater samples analyzed by Method SW8310.

#### **4.14.3        Duplicates**

Eight LCS duplicate pairs and two MS/MSD pairs were analyzed to estimate precision for SW8310. Mean RPDs for the LCS pairs ranged from 2.2% to 9.6% and the mean RPDs for the MS/MSD pairs ranged from 1.5% to 48 percent. SAP stated precision objectives of  $RPD \leq 50\%$  were met for all analytes indicating acceptable method precision. A summary of the precision estimates is presented in Table B-10.

**Table B-6**  
**Summary of Blank Results for Galena Waters - 1992**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
E160.1 TDS	Method	8	0	0		10 mg/L
	Equipment	1	1	1	11 mg/L	
SW6010 - ICP Metals						
Aluminum	Method	17	0	0		0.2 mg/L
	Equipment	12	0	0		
Antimony	Method	17	0	0		0.1 mg/L
	Equipment	12	0	0		
Arsenic	Method	18	0	0		0.3 mg/L
	Equipment	12	0	0		
Barium	Method	18	0	0		0.01 mg/L
	Equipment	12	0	0		
Beryllium	Method	17	0	0		0.002 mg/L
	Equipment	12	0	0		
Cadmium	Method	18	0	0		0.005 mg/L
	Equipment	12	0	0		
Calcium	Method	17	0	0		1 mg/L
	Equipment	12	0	0		
Chromium	Method	18	0	0		0.01 mg/L
	Equipment	12	0	0		
Cobalt	Method	17	0	0		0.01 mg/L
	Equipment	12	0	0		
Copper	Method	17	0	0		0.02 mg/L
	Equipment	12	2	0	0.02 mg/L	
Iron	Method	17	2	2	0.065-0.075 mg/L	0.05 mg/L
	Equipment	12	4	4	0.088-0.54 mg/L	
Lead	Method	18	0	0		0.2 mg/L
	Equipment	12	1	1	0.052 mg/L	
Magnesium	Method	17	0	0		1 mg/L
	Equipment	12	0	0		
Manganese	Method	17	0	0		0.01 mg/L
	Equipment	12	1	1	0.011 mg/L	
Molybdenum	Method	17	0	0		0.05 mg/L
	Equipment	12	0	0		
Nickel	Method	17	0	0		0.02 mg/L
	Equipment	12	0	0		



**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Potassium	Method	17	0	0		3 mg/L
	Equipment	12	0	0		
Selenium	Method	17	0	0		0.3 mg/L
	Equipment	12	0	0		
Silver	Method	18	0	0		0.01 mg/L
	Equipment	12	0	0		
Sodium	Method	17	0	0		1 mg/L
	Equipment	12	0	0		
Thallium	Method	17	0	0		0.1 mg/L
	Equipment	12	0	0		
Vanadium	Method	17	0	0		0.02 mg/L
	Equipment	12	0	0		
Zinc	Method	17	0	0		0.02 mg/L
	Equipment	12	0	0		
GFAAS Metals						
Arsenic - SW7060	Method	15	0	0		0.004 mg/L
	Equipment	12	0	0		
Lead - SW7421	Method	14	3	3	0.0038-0.0062 mg/L	0.003 mg/L
	Equipment	12	10	10	0.005-0.031 mg/L	
Mercury - SW7470	Method	14	9	7	0.0002-0.00034 mg/L	0.0002 mg/L
	Equipment	12	8	7	0.0002-0.00034 mg/L	
Selenium - SW7740	Method	14	0	0		0.005 mg/L
	Equipment	12	0	0		
Alaska Methods						
GRO - AK101	Equipment	1	1	0	1-6 µg/L	200 µg/L
DRO - AK102	Method	22	0	0		100 µg/L
	Equipment	12	0	0		
SW8010 - Halogenated Volatile Organics						
Bromobenzene	Method	37	0	0		5 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Bromodichloromethane	Method	37	0	0		1 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
Bromoform	Method	37	0	0		2 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
Bromomethane	Method	37	0	0		10 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
Carbon Tetrachloride	Method	37	0	0		1.0 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
Chlorobenzene	Method	37	0	0		2.5 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
Chloroethane	Method	37	0	0		5 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
2-Chloroethylvinyl ether	Method	37	0	0		10 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
Chloroform	Method	37	0	0		0.5 ug/L
	Equipment	5	2	2	0.07-0.49 $\mu$ g/L	
	Trip	21	0	0		
	Ambient	4	3	3	0.44-0.58 $\mu$ g/L	

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
1-Chlorohexane	Method	37	0	0		5 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
Chloromethane	Method	37	0	0		1 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
Dibromochloromethane	Method	37	0	0		1 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
Dibromomethane	Method	37	0	0		5 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
1,2-Dichlorobenzene	Method	37	1	0	0.35 $\mu$ g/L	2 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
1,3-Dichlorobenzene	Method	37	0	0		3 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
1,4-Dichlorobenzene	Method	37	1	0	0.49 $\mu$ g/L	2 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
1,1-Dichloroethane	Method	37	0	0		1 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
1,2-Dichloroethane	Method	37	0	0		1 μg/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
1,1-Dichloroethene	Method	37	0	0		1 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
trans-1,2-Dichloroethene	Method	37	0	0		1 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
1,2-Dichloropropane	Method	37	0	0		1 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	1	0	0.0097 μg/L	
cis-1,3-Dichloropropene	Method	37	0	0		5 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
trans-1,3-Dichloropropene	Method	37	0	0		3 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
Methylene chloride	Method	37	1	0	0.45 μg/L	2 ug/L
	Equipment	5	4	0	0.52-4.7 μg/L	
	Trip	21	6	1	1.2-2.4 μg/L	
	Ambient	4	3	1	0.65-5.5 μg/L	
1,1,2,2-Tetrachloroethane	Method	37	1	0	0.41 μg/L	1 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Tetrachloroethene	Method	37	0	0		1 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
1,1,1,2-Tetrachloroethane	Method	37	0	0		5 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
1,1,1-Trichloroethane	Method	37	0	0		1 ug/L
	Equipment	4	0	0		
	Trip	18	4	0		
	Ambient	2	0	0		
1,1,2-Trichloroethane	Method	37	0	0		1 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
Trichloroethene	Method	37	0	0		1 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
Trichlorofluoromethane	Method	37	0	0		1 ug/L
	Equipment	5	0	0		
	Trip	21	1	0	0.58 ug/L	
	Ambient	4	0	0		
1,2,3-Trichloropropane	Method	37	0	0		10 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		
Vinyl Chloride	Method	37	0	0		2 ug/L
	Equipment	5	0	0		
	Trip	21	0	0		
	Ambient	4	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Defects	No. Above Limits	Range of Concentrations	Reporting Limits
SW8015DI - Nonhalogenated Volatile Organics						
2-Butanone (MEK)	Method	19	0	0		50 ug/L
	Equipment	5	0	0		
	Trip	19	0	0		
	Ambient	4	0	0		
Ethanol	Method	19	0	0		50 ug/L
	Equipment	5	0	0		
	Trip	19	0	0		
	Ambient	4	0	0		
Ethylether	Method	19	0	0		50 ug/L
	Equipment	5	0	0		
	Trip	19	0	0		
	Ambient	4	0	0		
MIBK	Method	19	0	0		50 ug/L
	Equipment	5	0	0		
	Trip	19	0	0		
	Ambient	4	0	0		
SW8020 - Aromatic Volatile Organics						
Benzene	Method	36	0	0		1 ug/L
	Equipment	8	0	0		
	Trip	23	0	0		
	Ambient	4	1	0	0.30 µg/L	
Ethylbenzene	Method	36	0	0		4 µg/L
	Equipment	8	0	0		
	Trip	23	0	0		
	Ambient	4	0	0		
Chlorobenzene	Method	36	1	0	0.24 µg/L	2 µg/L
	Equipment	8	0	0		
	Trip	23	0	0		
	Ambient	4	0	0		
1,2-Dichlorobenzene	Method	36	0	0		4 µg/L
	Equipment	8	0	0		
	Trip	23	0	0		
	Ambient	4	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Defects	No. Above Limits	Range of Concentrations	Reporting Limits
1,3-Dichlorobenzene	Method	36	1	0	0.22 μg/L	0.40 μg/L
	Equipment	8	0	0		
	Trip	23	0	0		
	Ambient	4	0	0		
1,4-Dichlorobenzene	Method	36	0	0		0.20 μg/L
	Equipment	8	0	0		
	Trip	23	0	0		
	Ambient	4	0	0		
Toluene	Method	36	3	2	0.24-0.56 μg/L	0.20 ug/L
	Equipment	8	1	0	0.29 μg/L	
	Trip	23	10	10	0.21-0.93 μg/L	
	Ambient	4	2	1	0.28-0.78 μg/L	
Total xylenes	Method	36	1	0	0.31 μg/L	0.50 ug/L
	Equipment	8	0	0		
	Trip	23	0	0		
	Ambient	4	1	1	0.67 μg/L	
Gasoline	Method	16	0	0		50 ug/L
	Equipment	8	2	2	150-1200 μg/L	
	Trip	24	1	1	130 μg/L	
	Ambient	4	2	2	140-170 μg/L	
SW8080 - Organochlorine Pesticides and PCBs						
Aldrin	Method	21	0	0		0.04 ug/L
	Equipment	9	0	0		
alpha-BHC	Method	21	5	0	0.011-0.023 μg/L	0.03 ug/L
	Equipment	9	1	0	0.014 μg/L	
beta-BHC	Method	21	3	0	0.0062-0.0097 μg/L	0.05 ug/L
	Equipment	8	0	0		
delta-BHC	Method	21	4	0	0.011-0.019 μg/L	0.05 ug/L
	Equipment	9	1	0	0.02 μg/L	
Chlordane	Method	21	0	0		0.05 ug/L
	Equipment	9	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
4,4'-DDD	Method	21	4	0	0.014-0.022 $\mu$ g/L	0.1 $\mu$ g/L
	Equipment	9	0	0		
4,4'-DDE	Method	21	5	0	0.0093-0.014 $\mu$ g/L	0.04 $\mu$ g/L
	Equipment	9	2	0	0.0094-0.012 $\mu$ g/L	
4,4'-DDT	Method	21	1	0	0.005 $\mu$ g/L	0.1 $\mu$ g/L
	Equipment	9	2	0	0.0011-0.0026 $\mu$ g/L	
Dieldrin	Method	21	4	0	0.0071-0.0083 $\mu$ g/L	0.05 $\mu$ g/L
	Equipment	9	1	0	0.0068 $\mu$ g/L	
Endosulfan I	Method	21	4	0	0.0024-0.044 $\mu$ g/L	0.05 $\mu$ g/L
	Equipment	9	2	0	0.0034-0.045 $\mu$ g/L	
Endosulfan II	Method	21	5	0	0.0003-0.033 $\mu$ g/L	0.1 $\mu$ g/L
	Equipment	9	2	0	0.0002-0.0008 $\mu$ g/L	
Endosulfan sulfate	Method	21	13	0	0.002-0.024 $\mu$ g/L	0.1 $\mu$ g/L
	Equipment	9	6	0	0.0075-0.054 $\mu$ g/L	
Endrin	Method	21	3	0	0.014-0.035 $\mu$ g/L	0.06 $\mu$ g/L
	Equipment	9	1	0	0.034 $\mu$ g/L	
Endrin aldehyde	Method	21	4	0	0.0003-0.0091 $\mu$ g/L	0.01 $\mu$ g/L
	Equipment	9	5	0	0.0074-0.021 $\mu$ g/L	
gamma-BHC	Method	21	5	0	0.013-0.028 $\mu$ g/L	0.04 $\mu$ g/L
	Equipment	9	0	0		
Heptachlor	Method	21	8	0	0.0023-0.031 $\mu$ g/L	0.03 $\mu$ g/L
	Equipment	9	3	0	0.0037-0.0085 $\mu$ g/L	
Heptachlor epoxide	Method	21	4	0	0.0023-0.041 $\mu$ g/L	0.05 $\mu$ g/L
	Equipment	9	2	0	0.0004-0.021 $\mu$ g/L	
Methoxychlor	Method	21	0	0		0.5 $\mu$ g/L
	Equipment	9	0	0		
PCB-1016	Method	21	0	0		1 $\mu$ g/L
	Equipment	9	0	0		
PCB-1221	Method	21	0	0		1 $\mu$ g/L
	Equipment	9	0	0		



**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
PCB-1232	Method	21	0	0		1 ug/L
	Equipment	9	0	0		
PCB-1242	Method	21	0	0		1 ug/L
	Equipment	9	0	0		
PCB-1248	Method	21	0	0		1 ug/L
	Equipment	9	0	0		
PCB-1254	Method	21	0	0		1 ug/L
	Equipment	9	0	0		
PCB-1260	Method	21	0	0		1 ug/L
	Equipment	9	0	0		
Toxaphene	Method	21	0	0		2.5 ug/L
	Equipment	9	0	0		
SW8240 - Volatile Organic Compounds						
Acetone	Method	5	1	0	4.7 μg/L	10 ug/L
	Equipment	6	1	0	5.8 μg/L	
	Trip	18	14	8	76-160 μg/L	
	Ambient	5	2	0	6.3-7.4 μg/L	
Benzene	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	4	0	0.33-0.89 μg/L	
	Ambient	5	0	0		
Bromodichloromethane	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
Bromoform	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Defects	No. Above Limits	Range of Concentrations	Reporting Limits
Bromomethane	Method	5	0	0		10 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
2-Butanone (MEK)	Method	5	0	0		100 ug/L
	Equipment	6	1	0	4.8 µg/L	
	Trip	18	14	0	17-62 µg/L	
	Ambient	5	0	0		
Carbon disulfide	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
Carbon tetrachloride	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
Chlorobenzene	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
Chloroethane	Method	5	0	0		10 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
2-Chloroethylvinyl ether	Method	5	0	0		10 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Chloroform	Method	5	0	0		5 ug/L
	Equipment	6	2	0	1.3-1.4 $\mu$ g/L	
	Trip	18	0	0		
	Ambient	5	3	0	1.0-4.1 $\mu$ g/L	
Chloromethane	Method	5	0	0		10 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
Dibromochloromethane	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
1,1-Dichloroethane	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
1,2-Dichloroethane	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
1,1-Dichloroethene	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
trans-1,2-Dichloroethene	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Defects	No. Above Limits	Range of Concentrations	Reporting Limits
1,2-Dichloropropane	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
cis-1,3-Dichloropropene	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
trans-1,3-Dichloropropene	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
Ethylbenzene	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
2-Hexanone	Method	5	1	0	2.2 µg/L	10 ug/L
	Equipment	6	0	0		
	Trip	18	1	0	1.3 µg/L	
	Ambient	5	1	0	1.5 µg/L	
Methylene chloride	Method	5	0	0		5 ug/L
	Equipment	6	4	1	2.2-5.5 µg/L	
	Trip	18	7	2	0.97-19 µg/L	
	Ambient	5	5	2	2.0-9.3 µg/L	
4-Methyl-2-pentanone	Method	5	1	0	2.1 µg/L	50 ug/L
	Equipment	6	0	0		
	Trip	18	12	0	1.9-3.9 µg/L	
	Ambient	5	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No Above Limits	Range of Concentrations	Reporting Limits
Styrene	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
Tetrachloroethene	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
1,1,2,2-Tetrachloroethane	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
Toluene	Method	5	0	0		5 ug/L
	Equipment	6	1	0	0.39 µg/L	
	Trip	18	5	0	0.18-1.1 µg/L	
	Ambient	5	0	0		
1,1,1-Trichloroethane	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
1,1,2-Trichloroethane	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
Trichloroethene	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Vinyl acetate	Method	5	0	0		5 ug/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
Vinyl chloride	Method	5	0	0		10 μg/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
para- & meta-Xylene	Method	5	0	0		10 μg/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
ortho-Xylene	Method	5	0	0		5 μg/L
	Equipment	6	0	0		
	Trip	18	0	0		
	Ambient	5	0	0		
SW8270 - Semivolatile Organic Compounds						
Acenaphthene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Acenaphthylene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Anthracene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Benzo(a)anthracene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Benzo(b)fluoranthene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Benzo(k)fluoranthene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Benzo(g,h,i)perylene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Benzo(a)pyrene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Benzoic acid	Method	31	0	0		50 ug/L
	Equipment	12	0	0		
Benzyl alcohol	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
bis(2-Chloroethoxy) methane	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
bis(2-Chloroethyl)ether	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
bis(2-Chloroisopropyl) ether	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
bis(2-Ethylhexyl) phthalate	Method	31	3	2	0.89-7.1 $\mu$ g/L	10 ug/L
	Equipment	12	1	0	1.0 $\mu$ g/L	
4-Bromophenyl phenyl ether	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
4-Chloro-3-methylphenol	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
2-Chlorophenol	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Chrysene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Dibenzo(a,h)anthracene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Dibenzo(a,e)pyrene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Dibenzofuran	Method	31	0	0		10 ug/L
	Equipment	12	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Dibutylphthalate	Method	31	1	0	0.86 $\mu$ g/L	10 ug/L
	Equipment	12	0	0		
1,2-Dichlorobenzene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
1,3-Dichlorobenzene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
1,4-Dichlorobenzene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
3,3'-Dichlorobenzidine	Method	31	0	0		20 ug/L
	Equipment	12	0	0		
2,4-Dichlorophenol	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Diethylphthalate	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Dimethylphthalate	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
2,6-Dinitro-2-methylphenol	Method	31	0	0		50 ug/L
	Equipment	12	0	0		
2,4-Dinitrophenol	Method	31	0	0		50 ug/L
	Equipment	12	0	0		
2,4-Dinitrotoluene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
2,6-Dinitrotoluene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Di-n-octylphthalate	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Diphenylamine/ n-NitrosoDPA	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Fluoranthene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		



**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Fluorene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Hexachlorobenzene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Hexachlorobutadiene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Hexachlorocyclopentadiene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Hexachloroethane	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Indeno(1,2,3)pyrene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Isophorone	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
2-Methylnaphthalene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
2-Methylphenol	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
4-Methylphenol	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Naphthalene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
2-Nitroaniline	Method	31	0	0		50 ug/L
	Equipment	12	0	0		
3-Nitroaniline	Method	31	0	0		50 ug/L
	Equipment	12	0	0		
4-Nitroaniline	Method	31	0	0		50 ug/L
	Equipment	12	0	0		
Nitrobenzene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
2-Nitrophenol	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
4-Nitrophenol	Method	31	0	0		50 ug/L
	Equipment	12	0	0		
n-Nitrosodipropylamine	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Pentachlorophenol	Method	31	0	0		30 ug/L
	Equipment	12	0	0		
Phenanthrene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Phenol	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
Pyrene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
1,2,4-Trichlorobenzene	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
2,4,5-Trichlorophenol	Method	31	0	0		50 ug/L
	Equipment	12	0	0		
2,4,6-Trichlorophenol	Method	31	0	0		10 ug/L
	Equipment	12	0	0		
SW8310 -Polynuclear Aromatic Hydrocarbons						
Acenaphthene	Method	9	0	0		1.8 μg/L
	Equipment	5	0	0		
Acenaphthylene	Method	9	0	0		2.3 μg/L
	Equipment	5	0	0		
Anthracene	Method	9	0	0		0.66 μg/L
	Equipment	5	0	0		
Benzo(a)anthracene	Method	9	0	0		0.013 μg/L
	Equipment	5	0	0		

**Table B-6**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Benzo(a)pyrene	Method	9	0	0		0.023 μg/L
	Equipment	5	0	0		
Benzo(b)fluoranthene	Method	9	0	0		0.018 μg/L
	Equipment	5	0	0		
Benzo(g,h,i)perylene	Method	9	0	0		0.076 μg/L
	Equipment	5	0	0		
Benzo(k)fluoranthene	Method	9	1	0	0.0054 μg/L	0.017 μg/L
	Equipment	5	0	0		
Chrysene	Method	9	0	0		0.15 μg/L
	Equipment	5	0	0		
Dibenzo(a,h)anthracene	Method	9	2	0	0.0083-0.012 μg/L	0.21 ug/L
	Equipment	5	0	0		
Fluoranthene	Method	9	1	0	0.019 μg/L	0.21 ug/L
	Equipment	5	1	0	0.18 μg/L	
Fluorene	Method	9	0	0		0.043 ug/L
	Equipment	5	0	0		
Indeno(1,2,3-cd)pyrene	Method	9	0	0		0.025 ug/L
	Equipment	5	0	0		
Naphthalene	Method	9	2	0	0.014-0.065 μg/L	1.8 ug/L
	Equipment	5	0	0		
Phenanthrene	Method	9	0	0		0.64 ug/L
	Equipment	5	0	0		
Pyrene	Method	9	0	0		0.27 ug/L
	Equipment	5	0	0		

**Table B-7**

**Summary of Laboratory Control Sample Results for 1992  
Water Samples**

Parameter/Analyte	No. LCS Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>E160.1 TDS</b>	8	109.4	6.58	0	0	75-125
<b>SW6010 - ICPES Metals</b>						
Aluminum	15	97.5	1.83	0	0	80-120
Antimony	15	98.0	3.86	0	0	80-120
Arsenic	15	97.7	2.75	0	0	80-120
Barium	15	97.6	1.55	0	0	80-120
Beryllium	15	96.2	1.92	0	0	80-120
Cadmium	15	96.7	1.27	0	0	80-120
Calcium	15	99.4	1.77	0	0	80-120
Chromium	15	96.9	1.47	0	0	80-120
Cobalt	15	96.6	1.73	0	0	80-120
Copper	15	96.9	1.49	0	0	80-120
Iron	15	97.5	1.72	0	0	80-120
Lead	15	97.2	2.55	0	0	80-120
Magnesium	15	95.4	2.55	0	0	80-120
Manganese	15	95.8	1.37	0	0	80-120
Molybdenum	15	96.4	1.40	0	0	80-120
Nickel	15	97.3	1.56	0	0	80-120
Potassium	15	99.0	2.81	0	0	80-120
Selenium	15	96.9	4.22	0	0	80-120
Silver	15	95.2	1.94	0	0	80-120
Sodium	16	102.6	4.63	0	0	80-120
Thallium	15	96.3	1.84	0	0	80-120
Vanadium	15	96.0	1.39	0	0	80-120
Zinc	15	96.6	1.40	0	0	80-120
<b>GFAAS Metals</b>						
Arsenic - SW7060	15	94.9	4.94	0	0	85-115
Lead - SW7421	14	102.7	6.09	0	1	85-115
Mercury - SW7471	15	99.8	5.60	0	0	80-120
Selenium - SW7740	15	97.0	8.12	0	0	85-115

**Table B-7**  
**(Continued)**

Parameter/Analyte	No. LCS Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW8010 - Halogenated Volatile Organics</b>						
Bromobenzene	37	100.5	11.52	0	0	NS
Bromodichloromethane	37	93.4	10.83	0	0	42-172
Bromoform	37	90.6	10.56	0	0	13-159
Bromomethane	37	91.6	13.64	0	0	D-144
Carbon tetrachloride	37	98.5	12.01	0	0	43-143
Chlorobenzene	37	100.7	12.09	0	0	38-150
Chloroethane	37	76.8	13.88	0	0	8-136
2-Chloroethylvinyl ether	37	83.2	19.43	0	0	14-186
Chloroform	37	106.5	14.91	0	0	20-184
1-Chlorohexane	37	94.3	10.81	0	0	NS
Chloromethane	37	71.3	22.48	0	0	D-193
Dibromochloromethane	37	101.1	9.64	0	0	24-191
Dibromomethane	37	96.0	10.85	0	0	NS
1,2-Dichlorobenzene	37	97.5	11.08	0	0	D-208
1,3-Dichlorobenzene	37	102.9	10.36	0	0	7-187
1,4-Dichlorobenzene	37	100.3	13.63	0	0	42-143
1,1-Dichloroethane	37	97.0	15.88	0	0	47-132
1,2-Dichloroethane	37	95.1	10.17	0	0	51-147
1,1-Dichloroethene	37	80.6	11.62	0	0	28-167
trans-1,2-Dichloroethene	37	88.9	12.34	0	0	38-155
1,2-Dichloropropane	37	90.2	10.05	0	0	44-156
cis-1,3-Dichloropropene	37	96.2	9.71	0	0	22-178
trans-1,3-Dichloropropene	37	99.6	11.00	0	0	22-178
Methylene chloride	37	81.9	18.12	0	0	25-162
1,1,2,2-Tetrachloroethane	37	106.1	21.32	0	0	8-184
Tetrachloroethene	37	104.1	11.02	0	0	26-162
1,1,1,2-Tetrachloroethane	37	99.4	9.70	0	0	NS
1,1,1-Trichloroethane	37	103.8	11.92	0	0	41-138
1,1,2-Trichloroethane	37	90.4	7.63	0	0	39-136
Trichloroethene	37	90.5	8.89	0	0	35-146
Trichlorofluoromethane	37	64.4	14.07	0	0	21-156

**Table B-7**  
**(Continued)**

<b>Parameter/Analyte</b>	<b>No. LCS Pairs</b>	<b>Mean % Rec.</b>	<b>Std. Dev.</b>	<b>No. Below Limits</b>	<b>No. Above Limits</b>	<b>QC Limits % Rec.</b>
1,2,3-Trichloropropane	37	95.0	9.42	0	0	NS
Vinyl chloride	37	87.4	15.56	0	0	28-163
<b>SW 8015 - Petroleum Hydrocarbons</b>						
Chlorobenzene	23	94.1	7.37	0	0	74-138
Ethanol	18	99.5	5.32	0	0	NS
Ethyl ether	18	102.0	4.59	0	0	NS
Methyl ethyl ketone	18	92.1	4.03	0	0	NS
Methyl isobutyl ketone	18	96.1	4.65	0	0	NS
<b>Alaska Methods</b>						
Diesel Range Organics	21	77.0	9.67	0	0	50-150
Gasoline Range Organics	23	108.5	10.74	0	0	50-150
<b>SW8020 - Aromatic Volatile Organics</b>						
Benzene	37	99.1	10.58	0	0	39-150
Chlorobenzene	37	98.2	8.14	0	0	55-135
1,2-Dichlorobenzene	37	94.6	7.41	0	0	37-154
1,3-Dichlorobenzene	37	97.2	7.61	0	0	50-141
1,4-Dichlorobenzene	37	96.7	7.18	0	0	42-143
Ethylbenzene	37	99.4	8.72	0	0	32-160
Toluene	37	100.1	8.87	0	0	46-148
Total Xylenes	37	99.4	8.00	0	0	NS
Gasoline	16	101.7	10.76	0	0	50-150
<b>SW8080 - Organochlorine Pesticides and PCBs</b>						
Aldrin	20	86.0	20.48	2	0	42-122
alpha-BHC	20	112.7	17.43	0	1	37-134
delta-BHC	20	107.2	9.80	0	0	19-140
gamma-BHC	20	106.7	8.30	0	0	32-127
alpha-Chlordane	20	111.3	11.13	0	0	NS
gamma-Chlordane	20	105.1	10.69	0	0	NS
4,4-DDT	20	96.7	12.39	0	0	25-160
Dieldrin	20	101.5	10.65	0	0	36-146
Endosulfan II	20	92.5	11.29	0	0	D-202
Endrin	20	100.3	12.16	0	0	30-147

**Table B-7**  
**(Continued)**

Parameter/Analyte	No. LCS Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
Endrin aldehyde	20	106.3	19.75	0	0	NS
Heptachlor	20	88.2	15.18	0	3	34-111
Heptachlor epoxide	20	109.2	42.75	0	1	37-142
Mirex	20	115.1	16.09	0	0	NS
PCB-1016	20	101.5	13.81	0	4	50-114
PCB-1260	20	99.1	7.03	0	0	8-127
<b>SW8240 - Volatile Organic Compounds</b>						
Acetone	4	102.9	13.56	0	0	NS
Benzene	5	94.7	6.24	0	0	37-151
Bromodichloromethane	4	99.9	11.75	0	0	35-155
Bromoform	4	95.6	5.04	0	0	45-169
Bromomethane	4	55.0	6.95	0	0	D-242
2-Butanone (MEK)	5	62.1	5.82	0	0	55-127
Carbon disulfide	4	95.8	32.85	0	0	NS
Carbon tetrachloride	5	89.0	13.94	0	0	70-140
Chlorobenzene	5	89.9	3.75	0	0	37-160
Chloroethane	4	77.5	11.39	0	0	NS
2-Chloroethylvinyl ether	4	174.9	103.9	0	2	D-305
Chloroform	5	105.4	9.63	0	0	51-138
Chloromethane	4	87.3	13.35	0	0	D-273
Dibromochloromethane	4	95.8	6.67	0	0	53-149
1,1-Dichloroethane	4	102.4	9.55	0	0	59-155
1,2-Dichloroethane	5	96.0	11.55	0	0	49-155
1,1-Dichloroethene	5	92.8	6.07	0	0	D-234
trans-1,2-Dichloroethene	3	104.7	8.07	0	0	54-156
1,2-Dichloropropane	4	93.8	5.99	0	0	D-210
cis-1,3-Dichloropropene	4	94.5	4.50	0	0	D-227
trans-1,3-Dichloropropene	4	89.8	4.10	0	0	17-183
Ethylbenzene	4	95.0	3.89	0	0	37-162
2-Hexanone	4	67.5	9.18	0	0	NS
Methyl chloride	4	110.9	14.59	0	0	D-221
4-Methyl-2-pentanone	4	86.8	6.39	0	0	NS



**Table B-7**  
**(Continued)**

Parameter/Analyte	No. LCS Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
Styrene	4	98.8	10.58	0	0	NS
Tetrachloroethene	5	93.8	5.71	0	0	64-148
1,1,2,2-Tetrachloroethane	4	105.3	4.80	0	0	46-157
Toluene	4	101.1	3.09	0	0	47-150
1,1,1-Trichloroethane	4	90.9	13.83	0	0	52-162
1,1,2-Trichloroethane	4	102.8	7.25	0	0	52-150
Trichloroethene	5	95.6	9.90	0	0	71-157
Vinyl acetate	4	92.8	33.36	0	0	D-251
Vinyl chloride	5	95.7	11.65	0	0	NS
Xylenes	4	98.9	5.19	0	0	55-125
<b>SW8270 - Semivolatile Organic Compounds</b>						
Acenaphthene	31	91.8	4.88	0	0	47-145
Acenaphthylene	31	102.8	6.20	0	0	33-145
Anthracene	31	99.7	6.58	0	0	27-133
Benzo(a)anthracene	31	95.7	6.63	0	0	33-143
Benzo(b)fluoranthene	31	86.8	8.44	0	0	24-159
Benzo(k)fluoranthene	31	101.4	10.62	0	0	11-162
Benzo(g,h,i)perylene	31	92.3	14.75	0	0	D-219
Benzo(a)pyrene	31	86.5	6.52	0	0	17-163
Benzoic Acid	31	85.3	37.24	0	0	NS
Benzyl alcohol	31	100.1	9.97	0	0	NS
4-Bromophenyl phenyl ether	31	91.6	7.55	0	0	53-127
Butylbenzylphthalate	31	98.9	10.89	0	0	D-152
4-Chloro-3-methylphenol	31	88.7	5.98	0	0	22-147
p-Chloroaniline	31	104.9	13.77	0	0	NS
bis(2-Chloroethyl)ether	31	93.0	11.85	0	0	12-158
bis(2-Chloroethoxy)methane	31	92.4	6.33	0	0	33-184
bis(2-Chloroisopropyl)ether	31	75.9	17.32	0	0	36-166
2-Chloronaphthalene	31	86.3	7.59	0	0	60-118
2-Chlorophenol	31	82.8	7.26	0	0	23-134
4-Chlorophenyl phenyl ether	31	101.0	8.00	0	0	25-158
Chrysene	31	95.3	6.86	0	0	17-168



Table B-7

(Continued)

Parameter/Analyte	No. LCS Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
Di-n-octylphthalate	31	108.0	14.59	0	0	4-146
Dibenz(a,h)anthracene	31	86.5	10.56	0	0	D-227
Dibenzofuran	31	96.0	6.87	0	0	NS
Dibutylphthalate	31	98.0	8.94	0	0	NS
1,2-Dichlorobenzene	31	83.2	17.69	2	0	32-129
1,3-Dichlorobenzene	31	75.4	18.05	0	0	D-172
1,4-Dichlorobenzene	31	74.7	17.19	1	0	20-124
3,3'-Dichlorobenzidine	31	119.7	11.99	0	0	D-262
2,4-Dichlorophenol	31	77.4	6.13	0	0	39-135
Diethylphthalate	31	95.4	15.67	0	1	D-114
2,4-Dimethylphenol	31	48.6	9.45	2	0	32-119
Dimethylphthalate	31	70.8	20.10	0	0	D-112
4,6-Dinitro-2-methylphenol	31	96.5	21.72	1	0	D-181
2,4-Dinitrophenol	31	124.1	41.16	1	1	D-191
2,4-Dinitrotoluene	31	95.3	11.00	0	0	39-139
2,6-Dinitrotoluene	31	104.6	8.84	0	0	50-158
bis(2-Ethylhexyl)phthalate	31	95.1	9.86	0	0	8-158
Fluoranthene	31	90.8	7.44	0	0	26-137
Fluorene	31	87.6	12.91	0	1	59-121
Hexachlorobenzene	31	90.1	12.68	0	0	D-152
Hexachlorobutadiene	31	80.8	13.34	0	0	24-116
Hexachlorocyclopentadiene	31	8.6	30.14	0	0	NS
Hexachloroethane	31	81.5	20.01	4	0	40-113
Indeno(1,2,3-cd)pyrene	31	79.1	10.70	0	0	D-171
Isophorone	31	95.6	7.03	0	0	21-196
2-Methylnaphthalene	31	107.5	17.07	0	0	NS
2-Methylphenol(o-cresol)	31	81.7	8.23	0	0	NS
4-Methylphenol(p-cresol)	31	79.4	11.41	0	0	NS
N-Nitrosodiphenylamine	31	83.0	7.25	0	0	NS
N-Nitrosodipropylamine	31	85.6	9.71	0	0	D-230
Naphthalene	31	90.0	8.99	0	0	21-133
2-Nitroaniline	31	99.7	10.97	0	0	NS

**Table B-7**  
**(Continued)**

Parameter/Analyte	No. LCS Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
3-Nitroaniline	31	103.0	8.93	0	0	NS
4-Nitroaniline	31	96.9	10.04	0	0	NS
Nitrobenzene	31	95.2	11.31	0	0	35-180
2-Nitrophenol	31	91.4	14.60	1	0	29-182
4-Nitrophenol	31	82.2	21.61	1	0	D-132
Pentachlorophenol	31	70.3	11.79	1	0	14-176
Phenanthrene	31	87.7	7.19	0	0	54-120
Phenol	31	81.0	13.65	0	0	5-112
Pyrene	31	91.2	8.46	0	0	52-115
1,2,4-Trichlorobenzene	31	84.7	10.11	0	0	44-142
2,4,5-Trichlorophenol	31	80.0	8.17	0	0	NS
2,4,6-Trichlorophenol	31	67.5	5.78	1	0	37-144
<b>SW8310 - Polynuclear Aromatic Hydrocarbons</b>						
Acenaphthene	9	70.6	18.24	0	0	D-124
Acenaphthylene	9	77.2	19.19	0	0	D-139
Anthracene	9	77.2	11.33	0	0	D-126
Benzo(a)anthracene	9	82.3	11.61	0	0	D-135
Benzo(a)pyrene	9	72.2	12.60	0	0	D-128
Benzo(b)fluoranthene	9	93.2	9.30	0	0	D-150
Benzo(g,h,i)perylene	9	79.1	9.75	0	0	D-116
Benzo(k)fluoranthene	9	80.7	9.53	0	0	D-159
Chrysene	9	96.8	12.08	0	0	D-199
Dibenzo(a,h)anthracene	9	80.1	10.14	0	0	D-110
Fluoranthene	9	83.4	12.71	0	0	D-123
Fluorene	9	74.0	15.67	0	0	D-142
Indeno(1,2,3-cd)pyrene	9	100.5	11.33	0	0	D-116
Napthtalene	9	80.3	18.59	0	0	D-122
Phenanthrene	9	77.5	13.47	0	0	D-155
Pyrene	9	77.8	10.66	0	0	D-140

NS = Not specified. The method or laboratory does not specify QC limits for this analyte.

**Table B-8**

**Summary of Matrix Spike Sample Results for 1992 Water Samples**

Parameter/ Analyte	No. Spike Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW6010 - ICPEs Metals</b>						
Aluminum	14	99.8	5.41	0	0	75-125
Antimony	14	95.9	7.43	0	0	75-125
Arsenic	14	98.8	5.27	0	0	75-125
Barium	14	97.0	5.80	0	0	75-125
Beryllium	14	96.6	4.86	0	0	75-125
Cadmium	14	96.8	3.85	0	0	75-125
Calcium	14	82.5	40.24	9	1	75-125
Chromium	14	95.8	4.20	0	0	75-125
Cobalt	14	95.4	4.09	0	0	75-125
Copper	14	97.0	4.45	0	0	75-125
Iron	14	95.5	9.76	1	0	75-125
Lead	14	94.3	5.02	0	0	75-125
Magnesium	14	93.2	11.30	0	1	75-125
Manganese	14	90.5	11.5	2	0	75-125
Molybdenum	14	95.6	4.02	0	0	75-125
Nickel	14	96.4	4.43	0	0	75-125
Potassium	14	99.8	7.91	0	1	75-125
Selenium	14	97.3	5.99	0	0	75-125
Silver	14	94.9	4.37	0	0	75-125
Sodium	14	98.5	10.23	0	1	75-125
Thallium	14	94.8	4.63	0	0	75-125
Vanadium	14	95.2	4.10	0	0	75-125
Zinc	14	97.1	5.32	0	0	75-125
<b>GFAAS Metals</b>						
Arsenic - SW7060	13	90.3	14.51	2	0	75-125
Lead - SW7421	13	100.8	14.49	1	2	75-125
Mercury - SW7471	13	78.0	10.82	13	0	75-125
Selenium - SW7740	13	59.0	21.95	20	0	75-125

Table B-8

(Continued)

Parameter/ Analyte	No. Spike Pairs	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW8010 - Halogenated Volatile Organics</b>						
Carbon tetrachloride	27	97.6	13.06	0	0	43-143
Chlorobenzene	27	95.8	9.74	0	0	38-150
Dibromochloromethane	27	87.0	9.25	0	0	24-191
1,2-Dichloroethane	27	90.7	11.84	0	0	51-147
1,1-Dichloroethene	27	85.8	13.90	0	0	28-167
trans-1,2-Dichloroethene	27	88.7	15.01	0	0	38-155
1,2-Dichloropropane	27	90.3	9.65	0	0	44-156
1,1,2,2-Tetrachloroethane	27	105.0	21.87	0	0	8-184
Trichloroethene	27	86.2	8.98	0	0	35-146
<b>SW8015 - Petroleum Hydrocarbons</b>						
Ethanol	14	94.8	4.21	0	0	NS
Ethyl ether	14	92.9	8.17	0	0	NS
Methyl ethyl ketone	14	93.3	3.95	0	0	NS
Methyl isobutyl ketone	14	92.0	6.19	0	0	NS
<b>Alaska Method</b>						
Diesel Range Organics	12	80.2	31.92	3	0	50-150
<b>SW8020 - Volatile Aromatic Organics</b>						
Benzene	25	83.9	21.86	4	1	39-150
Ethylbenzene	25	91.5	15.57	0	1	32-160
Toluene	25	102.2	91.53	1	2	46-148
Total xylene	25	92.6	18.07	0	0	NS
Gasoline	12	80.2	31.92	3	0	50-150
<b>SW8080 - Organochlorine Pesticides and PCBs</b>						
Aldrin	12	88.2	11.95	0	0	42-122
gamma-BHC (Lindane)	12	98.2	15.04	0	0	32-127
4,4'-DDT	12	88.3	11.02	0	0	25-160
Dieldrin	12	92.3	13.97	0	0	36-146
Endrin	12	103.5	12.13	0	0	30-147
Heptachlor	12	89.2	15.17	0	1	34-111

Table B-8

(Continued)

Parameter/ Analyte	No. Spike Pairs	Mean % Rec.	Std. Dev.	No Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW8270 - Semivolatile Organic Compounds</b>						
Acenaphthene	11	74.0	10.00	0	0	22-103
4-Chloro-3-methylphenol	11	61.4	21.77	1	0	22-147
2-Chlorophenol	11	56.6	20.49	3	0	23-134
1,4-Dichlorobenzene	11	55.6	13.48	0	0	20-124
2,4-Dinitrotoluene	11	65.7	25.29	4	0	39-139
N-Nitrosodipropylamine	11	60.5	14.54	0	0	D-230
4-Nitrophenol	11	57.1	27.58	0	0	D-132
Pentachlorophenol	11	41.5	18.69	2	0	14-176
Phenol	9	47.2	23.68	0	0	5-112
Pyrene	11	77.2	15.59	0	0	52-115
1,2,4-Trichlorobenzene	11	63.4	12.55	0	0	44-142
<b>SW8310 - Polynuclear Aromatic Hydrocarbons</b>						
Acenaphthene	2	64.3	15.28	0	0	D-124
Acenaphthylene	2	66.3	18.96	0	0	D-139
Anthracene	2	94.5	7.59	0	0	D-126
Benzo(k)fluoranthene	2	91.8	8.42	0	0	D-159
Dibenzo(a,h)anthracene	2	81.8	2.22	0	0	D-110
Fluorene	2	83.8	10.81	0	0	D-142
Napthtalene	2	57.8	39.47	0	0	D-122
Phenanthrene	2	86.8	6.50	0	0	D-155

**Table B-9**

**Summary of Surrogate Recoveries - 1992 Waters**

Method/Analyte	No. of Surrogates	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW8010 - Halogenated Volatile Organics</b>						
<b>1-Bromo-4-fluorobenzene</b>						
LCS	74	94.9	9.72	0	0	NS
Matrix Spikes	54	87.5	7.51	0	0	59-143
<b>Bromochloromethane</b>						
LCS	74	88.1	12.91	0	0	NS
Matrix Spikes	54	87.6	12.53	0	0	50-150
<b>SW8015 - Non-Halogenated Volatile Organics</b>						
<b>2-Butanol</b>						
LCS	36	100.5	3.81	0	0	NS
Matrix Spike	28	97.2	3.07	0	0	NS
<b>Alaska Method - Diesel Range Organics</b>						
<b>Triacontane</b>						
LCS	21	93.4	12.46	1	0	50-150
Matrix Spike	12	93.4	17.95	0	0	50-150
<b>SW8020 - Aromatic Volatile Organics</b>						
<b>1-Bromo-4-fluorobenzene</b>						
LCS	106	90.1	10.48	0	0	NS
Matrix spike	50	82.6	5.36	0	0	59-142
<b>Trifluorotoluene</b>						
LCS	106	102.7	11.23	0	0	50-150
Matrix Spike	50	93.5	6.62	0	0	50-150
<b>SW8080 - Organochlorine Pesticides and PCBs</b>						
<b>Dibutylchlorodate</b>						
LCS	81	96.0	25.63	0	0	NS
Samples	110	83.4	19.16	0	1	124-154
Blank	30	82.3	18.20	0	0	24-154
<b>TCMX</b>						
LCS	81	73.9	11.83	0	0	NS
Samples	107	90.1	56.58	0	4	20-142
Blank	30	79.0	13.64	0	0	20-142

Table B-9

(Continued)

Method/Analyte	No. of Surrogates	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW8240 - Volatile Organics</b>						
<b>1,4-Bromofluorobenzene-d<sub>2</sub></b>						
Samples	1	97.0	NC	0	0	74-121
LCS	10	97.6	3.63	0	0	86-115
Blank	34	93.6	4.99	0	0	86-115
<b>1,2-Dichloroethane-d<sub>4</sub></b>						
Samples	1	85.0	NC	0	0	70-121
LCS	10	93.9	8.82	0	0	76-114
Blank	34	96.2	7.70	0	0	76-114
<b>Toluene-d<sub>8</sub></b>						
Samples	1	103.0	NC	0	0	88-110
LCS	10	102.6	1.96	0	0	88-110
Blank	34	103.8	3.65	0	0	88-110
<b>SW8270 - Semivolatile Organics</b>						
<b>2-Fluorobiphenyl</b>						
Samples	97	74.8	13.75	3	0	43-116
LCS	62	82.9	10.26	0	1	43-116
Blank	44	75.7	8.40	0	0	43-116
<b>2-Fluorophenol</b>						
Samples	97	56.4	29.25	20	0	21-100
LCS	62	83.1	12.03	0	1	21-100
Blank	44	76.8	14.68	1	0	21-100
<b>Nitrobenzene-d<sub>5</sub></b>						
Samples	97	85.9	21.89	1	4	35-114
LCS	62	91.5	6.52	0	0	35-114
Blank	44	88.2	6.54	0	0	35-114
<b>Phenol-d<sub>5</sub></b>						
Samples	97	61.2	27.86	5	2	10-94
LCS	62	85.0	13.43	0	9	10-94
Blank	44	80.8	14.93	0	3	10-94



Table B-9

(Continued)

Method/Analyte	No. of Surrogates	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
p-Terphenyl-d <sub>4</sub>						
Samples	97	98.8	11.90	1	0	33-141
LCS	62	99.6	8.16	0	0	33-141
Blank	44	100.5	8.71	0	0	33-141
2,4,6-Tribromophenol						
Samples	97	60.8	27.96	6	0	10-123
LCS	62	91.0	11.89	0	0	10-123
Blank	44	83.5	9.84	0	0	10-123
SW8310						
Terphenyl-d <sub>4</sub>						
Samples	24	76.6	16.30	0	0	22-157
LCS	18	88.2	14.67	0	0	NS
Blank	14	86.7	14.29	0	0	22-157



**Table B-10**  
**Summary of Duplicates - 1992 Waters**

Method/ Analyte	Type of Dup.	No. of Dupe.	Mean RPD %	Std. Dev.	Range of Recoveries	OC Limits RPD %
<b>SW6010 - ICP Metals</b>						
Aluminum	LCS	18	0.9	1	94-101	20
	MS	14	1.9	5	93-122	20
Antimony	LCS	18	2.2	1	92-104	20
	MS	14	5.5	6	87-116	20
Arsenic	LCS	19	2.0	1	93-104	20
	MS	14	3.9	5	93-106	20
Barium	LCS	19	0.5	1	95-101	20
	MS	14	2.8	6	91-123	20
Beryllium	LCS	18	0.5	1	93-100	20
	MS	14	1.9	5	92-118	20
Cadmium	LCS	19	0.8	1	95-100	20
	MS	14	2.0	4	94-115	20
Calcium	LCS	18	0.6	1	96-102	20
	MS	14	21	21	0-226	20
Chromium	LCS	19	0.6	1	95-101	20
	MS	14	1.6	5	93-116	20
Cobalt	LCS	18	1.0	1	94-102	20
	MS	14	1.7	5	92-115	20
Copper	LCS	18	0.7	1	95-101	20
	MS	14	2.3	5	92-116	20
Iron	LCS	18	0.6	1	95-100	20
	MS	14	5.6	10	72-124	20
Lead	LCS	19	2.7	2	93-103	20
	MS	14	2.7	5	90-115	20
Magnesium	LCS	18	0.8	1	92-101	20
	MS	14	6.0	10	75-142	20
Manganese	LCS	18	0.5	1	94-100	20
	MS	14	7.7	9	63-100	20
Molybdenum	LCS	18	0.8	1	94-100	20
	MS	14	1.7	5	93-115	20
Nickel	LCS	18	0.9	1	95-101	20
	MS	14	2.8	5	92-116	20
Potassium	LCS	18	1.9	2	93-103	20
	MS	14	2.9	4	88-131	20

**B-10**  
(continued)

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries	QC Limits RPD %
Selenium	LCS	18	2.6	3	89-105	20
	MS	14	4.9	5	89-120	20
Silver	LCS	19	0.7	1	90-99	20
	MS	14	1.9	5	89-113	20
Sodium	LCS	18	1.3	2	97-109	20
	MS	14	5.1	7	77-129	20
Thallium	LCS	18	2.2	1	93-100	20
	MS	14	3.5	4	87-114	20
Vanadium	LCS	18	0.5	1	94-100	20
	MS	14	1.9	5	91-114	20
Zinc	LCS	18	0.6	1	94-100	20
	MS	14	3.4	6	93-116	20
<b>GFAAS Metals</b>						
Arsenic - SW7060	LCS	17	2.0	2	86-108	20
	MS	13	1.6	2	51-114	20
Lead - SW7421	LCS	17	2.9	2	95-116	20
	MS	13	8.8	12	60-130	20
Mercury - SW7470	LCS	17	1.6	2	89-109	20
	MS	13	2.7	2	62-104	20
Selenium - SW7740	LCS	18	3.1	2	88-113	20
	MS	13	4.5	3	25-106	20
<b>SW8010 - Halogenated Volatile Organics - SW8010</b>						
Bromobenzene	LCS	37	8.9	8	82-144	NS
Bromochloromethane	LCS	37	7.5	9	55-105	NS
	MS	27	5.8	6	58-111	30
Bromodichloromethane	LCS	37	8.0	6	77-122	NS
Bromoform	LCS	37	7.3	7	66-112	NS
Bromomethane	LCS	37	6.2	5	58-121	NS
Carbon Tetrachloride	LCS	37	6.2	5	64-119	NS
	MS	27	7.1	8	71-122	30
Chlorobenzene	LCS	37	7.6	6	81-139	NS
	MS	27	5.7	6	74-117	30
Chloroethane	LCS	37	8.5	7	54-103	NS

**B-10**  
(continued)

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries	QC Limits RPD %
2-Chloroethylvinyl ether	LCS	37	13.3	17	37-125	NS
Chloroform	LCS	37	6.3	5.8	83-141	NS
1-Chlorohexane	LCS	37	9.2	10	58-116	NS
Chloromethane	LCS	37	11	12	39-131	NS
Dibromochloromethane	LCS	37	6.6	7	70-120	NS
	MS	27	6.2	5	64-105	30
Dibromomethane	LCS	37	6.3	6	75-132	NS
1,2-Dichlorobenzene	LCS	37	7.4	7	70-117	NS
1,3-Dichlorobenzene	LCS	37	6.2	6	79-128	NS
1,4-Dichlorobenzene	LCS	37	8.0	7	76-130	NS
1,1-Dichloroethane	LCS	37	5.2	4	62-120	NS
1,2-Dichloroethane	LCS	37	6.6	8	66-124	NS
	MS	27	8.8	10	59-118	30
1,1-Dichloroethene	LCS	37	6.3	6	50-101	NS
	MS	27	10.2	9	57-117	30
trans-1,2-Dichloroethene	LCS	37	6.7	7	57-108	NS
	MS	27	6.9	10	61-115	30
1,2-Dichloropropane	LCS	37	6.9	5	71-120	NS
	MS	27	5.7	6	73-126	30
cis-1,3-Dichloropropene	LCS	37	7.3	7	68-116	NS
trans-1,3-Dichloropropene	LCS	37	7.5	6	72-121	NS
Methylene chloride	LCS	37	10	9	46-138	NS
1,1,2,2-Tetrachloroethane	LCS	37	12	14	34-139	NS
	MS	27	11	20	33-142	30
Tetrachloroethene	LCS	37	5.7	4	70-124	NS
1,1,1,2-Tetrachloroethane	LCS	37	7.4	5	80-126	NS
1,1,1-Trichloroethane	LCS	37	7.3	6	74-130	NS
1,1,2-Trichloroethane	LCS	37	6.1	6	68-104	NS
Trichloroethane	LCS	37	6.1	6	63-110	NS
	MS	27	6.0	5	66-113	30
Trichlorofluoromethane	LCS	37	11	11	39-99	NS
1,2,3-Trichloropropane	LCS	37	8.2	7	69-122	NS
Vinyl Chloride	LCS	37	7.6	5	50-132	NSNS

**B-10**  
(continued)

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries	QC Limits RPD %
<b>SW8015 - Non-Halogenated Volatile Organics</b>						
Ethanol	LCS	19	2.3	2	92-114	50
	MS	14	2.9	2	87-106	50
Ethyl ether	LCS	19	1.5	2	96-113	50
	MS	14	5.5	8	72-105	50
Methyl ethyl ketone	LCS	19	2.1	2	87-104	50
	MS	14	2.2	2	86-107	50
Methyl isobutyl ketone	LCS	19	1.7	2	89-109	50
	MS	14	4.1	7	67-107	50
<b>Alaska Methods</b>						
GRO	LCS	24	9.6	7	85-136	50
DRO	LCS	21	7.8	7	57-96	50
	MS	12	9.2	15	0-141	50
<b>SW8020</b>						
Benzene	LCS	23	11	10	76-114	NS
	MS	25	9.7	13	25-156	30
Chlorobenzene	LCS	24	7.8	7	81-111	NS
1,2-Dichlorobenzene	LCS	24	5.1	4	78-110	NS
1,3-Dichlorobenzene	LCS	23	6.3	5	78-112	NS
1,4-Dichlorobenzene	LCS	24	5.5	5	79-112	NS
Ethylbenzene	LCS	36	7.1	7	81-112	NS
	MS	25	8.4	17	82-126	30
Toluene	LCS	33	10	9	77-112	NS
	MS	23	13	39	29-721	30
Total Xylene	LCS	36	7.3	8	79-111	NS
	MS	24	10	24	51-201	30
<b>SW8080 - Organochlorine Pesticides and PCBs</b>						
Aldrin	LCS	21	11	17	28-115	NS
	MS	12	4.5	3	58-111	50
alpha-BHC	LCS	21	7.3	15	79-201	NS
delta-BHC	LCS	21	6.0	7	75-126	NS
gamma-BHC	LCS	21	5.0	4	80-120	NS
	MS	12	4.3	3	63-124	50
alpha-Chloradane	LCS	21	7.2	9	90-150	NS
gamma-Chloradane	LCS	21	6.7	8	75-133	NS

**B-10**  
(continued)

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries	QC Limits RPD %
4,4'-DDT	LCS	21	6.2	6	68-126	NS
	MS	12	5.1	4	62-104	50
Dieldrin	LCS	21	4.2	5	70-120	NS
	MS	12	4.7	4	59-111	50
Endosulfan II	LCS	21	6.4	8	64-117	NS
Endrin	LCS	21	7.8	9	55-118	NS
	MS	12	4.3	2.5	77-119	50
Endrin aldehyde	LCS	21	12	19	66-136	NS
Heptachlor	LCS	21	9.6	15	61-126	NS
	MS	12	6.8	7	56-122	50
Heptachlor epoxide	LCS	21	14	35	71-370	NS
Mirex	LCS	21	6.6	7	73-137	NS
PCB-1016	LCS	20	4.8	7	82-145	NS
PCB-1260	LCS	20	4.1	5	78-108	NS
<b>SW8240 - Volatile Organic Compounds</b>						
Acetone	LCS	4	7.5	8	87-127	NS
Benzene	LCS	5	3.0	3	84-102	NS
Bromodichloromethane	LCS	5	2.2	1	88-119	NS
Bromoform	LCS	4	3.7	3	88-102	NS
Bromomethane	LCS	4	5.2	4	45-64	NS
2-Butanone (MEK)	LCS	5	7.2	4	58-71	NS
Carbon disulfide	LCS	4	2.0	2	60-158	NS
Carbon tetrachloride	LCS	5	4.6	2	73-116	NS
Chlorobenzene	LCS	5	3.2	5	86-98	NS
Chloroethane	LCS	4	6.8	12	62-87	NS
2-Chloroethylvinyl ether	LCS	4	21	22	80-343	NS
Chloroform	LCS	5	5.0	3	90-121	NS
Chloromethane	LCS	4	8.6	8	68-102	NS
Dibromochloromethane	LCS	4	3.5	3	88-108	NS
1,1-Dichloroethane	LCS	4	3.8	4	91-116	NS
1,2-Dichloroethane	LCS	5	3.8	2	81-116	NS
1,1-Dichloroethene	LCS	5	7.4	4	85-102	NS
trans-1,2-Dichloroethene	LCS	3	2.0	3	93-114	NS
1,2-Dichloropropane	LCS	4	1.5	1	86-103	NS
cis-1,3-Dichloropropene	LCS	4	2.5	2	89-101	NS

**B-10**  
(continued)

Method/ Analyte	Type of Dup.	No. of Dups	Mean RPD %	Std. Dev.	Range of Recoveries	QC Limits RPD %
trans-1,3-Dichloropropene	LCS	4	2.0	1	86-97	NS
Ethylbenzene	LCS	4	3.5	3	91-103	NS
2-Hexanone	LCS	4	6.0	6	59-86	NS
Methylene chloride	LCS	4	6.0	5	90-129	NS
4-Methyl-2-pentanone	LCS	4	7.0	6	73-95	NS
Styrene	LCS	4	1.5	01	89-116	NS
Tetrachloroethene	LCS	5	4.4	7	85-105	NS
1,1,2,2-Tetrachloroethane	LCS	4	4.0	5	99-112	NS
Toluene	LCS	4	2.2	1	97-106	NS
1,1,1-Trichloroethane	LCS	4	3.8	4	75-111	NS
1,1,2-Trichloroethane	LCS	4	3.8	3	91-115	NS
Trichloroethene	LCS	5	3.8	4	80-114	NS
Vinyl acetate	LCS	4	10	8	53-141	NS
Vinyl chloride	LCS	5	9.0	7	77-115	NS
Xylenes	LCS	4	2.5	1	94-108	NS
<b>SW8270 - Semivolatile Organic Compounds</b>						
Acenaphthene	LCS	33	5.3	6	78-103	NS
	MS	11	10	11	56-88	50
Acenaphthylene	LCS	33	5.2	5	86-119	NS
Anthracene	LCS	33	4.9	5	82-111	50
Benzo(a)anthracene	LCS	33	5.5	6	82-109	NS
Benzo(b)fluoranthene	LCS	33	6.3	7	78-120	NS
Benzo(k)fluoranthene	LCS	33	9.2	7	73-114	NS
Benzo(g,h,i)perylene	LCS	33	8.4	7	67-125	NS
Benzo(a)pyrene	LCS	33	6.2	6	70-97	NS
Benzoic acid	LCS	33	27	47	13-200	NS
Benzyl alcohol	LCS	33	7.4	6	75-120	NS
bis(2-Chloroethoxy)methane	LCS	33	6.0	4	79-110	NS
bis(2-Chloroethyl)ether	LCS	33	8.0	10	73-123	NS
bis(2-Chloroisopropyl)ether	LCS	33	15	14	44-111	NS
bis(2-Ethylhexyl)phthalate	LCS	33	5.2	4	77-115	NS
4-Bromophenyl phenyl ether	LCS	33	7.1	7	73-106	NS
Butylbenzyl phthalate	LCS	33	5.2	5	78-121	NS
4-Chloro-3-methylphenol	LCS	33	6.1	7	64-98	NS
	MS	11	24	20	17-103	50

**B-10**  
(continued)

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries	QC Limits RPD %
p-Chloroaniline	LCS	33	10	19	31-119	NS
2-Chloronaphthalene	LCS	33	6.1	5	70-99	NS
2-Chlorophenol	LCS	33	6.2	8	56-98	NS
	MS	11	27	30	13-85	50
4-Chlorophenyl phenyl ether	LCS	33	6.7	6	85-113	NS
Chrysene	LCS	33	5.2	6	80-109	NS
Dibenz(a,h)anthracene	LCS	33	7.9	8	54-112	NS
Dibenzofuran	LCS	33	6.3	5	82-108	NS
Di-n-butylphthalate	LCS	33	6.2	4	78-116	NS
1,2-Dichlorobenzene	LCS	33	16	18	20-101	NS
1,3-Dichlorobenzene	LCS	33	18	20	14-94	NS
1,4-Dichlorobenzene	LCS	33	18	19	15-96	NS
	MS	11	7.2	3	37-77	50
3,3'-Dichlorobenzidine	LCS	33	7.4	8	91-137	NS
2,4-Dichlorophenol	LCS	33	6.2	10	49-87	NS
Diethyl phthalate	LCS	33	11	8	61-112	NS
Dimethyl phthalate	LCS	33	22	16	25-97	NS
2,4-Dimethylphenol	LCS	33	15	18	20-62	NS
2,6-Dinitro-2-methylphenol	LCS	33	18	52	0-143	NS
2,4-Dinitrophenol	LCS	33	24	53	0-184	NS
2,4-Dinitrotoluene	LCS	33	8.2	8	67-127	NS
	MS	11	24	42	4-88	50
2,6-Dinitrotoluene	LCS	33	6.5	6	85-127	NS
Di-n-octylphthalate	LCS	33	6.2	5	81-136	NS
Fluoranthene	LCS	33	5.8	6	76-103	NS
Fluorene	LCS	33	6.7	5	73-99	NS
Hexachlorobenzene	LCS	34	6.7	9	70-116	NS
Hexachlorobutadiene	LCS	34	12	13	44-100	NS
Hexachlorocyclopentadiene	LCS	32	29	91	0-130	NS
Hexachloroethane	LCS	34	20	21	14-103	NS
Indeno(1,2,3)pyrene	LCS	33	9.0	7	59-102	NS
Isophorone	LCS	33	6.3	4	78-110	NS
2-Methylnaphthalene	LCS	33	7.1	9	81-143	NS
2-Methylphenol (o-cresol)	LCS	33	7.2	7	65-99	NS
4-Methylphenol (p-cresol)	LCS	33	8.2	7	58-102	NS



**B-10**  
(continued)

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries	QC Limits RPD %
Naphthalene	LCS	33	8.7	9	57-106	NS
2-Nitroaniline	LCS	33	5.4	5	80-134	NS
3-Nitroaniline	LCS	33	7.7	9	63-124	NS
4-Nitroaniline	LCS	33	7.7	6	71-115	NS
Nitrobenzene	LCS	34	6.9	6	74-119	NS
2-Nitrophenol	LCS	33	11	37	4-119	NS
4-Nitrophenol	LCS	33	13	39	0-116	NS
	MS	11	32	47	3-88	50
n-Nitrosodiphenylamine	LCS	33	6.9	6	73-96	NS
n-Nitrosodipropylamine	LCS	33	7.2	8	63-102	NS
	MS	11	10	12	34-85	50
Pentachlorophenol	LCS	33	12	41	0-92	NS
	MS	11	30	37	1-70	50
Phenanthrene	LCS	33	6.0	5	75-101	NS
Phenol	LCS	33	6.1	6	50-108	NS
	MS	11	24	36	7-85	50
Pyrene	LCS	33	5.9	7	76-108	NS
	MS	11	5.6	3	52-104	50
1,2,4-Trichlorobenzene	LCS	33	9.7	9	55-100	NS
	MS	11	7.3	4	45-87	50
2,4,5-Trichlorophenol	LCS	33	6.4	13	41-93	NS
2,4,6-Trichlorophenol	LCS	33	6.2	13	36-75	NS
<b>SW8310 - Polynuclear Aromatics</b>						
Acenaphthene	LCS	9	19	13	49-86	NS
	MS	2	24	22	43-78	50
Acenaphthylene	LCS	9	14	5	58-98	NS
	MS	2	26	23	41-84	50
Anthracene	LCS	9	5.0	2	54-89	NS
	MS	2	6.1	6	88-105	50
Benzo(a)anthracene	LCS	9	3.8	2	75-96	NS
Benzo(a)pyrene	LCS	9	6.1	6	51-91	NS
Benzo(b)fluoranthene	LCS	9	6.2	3	85-105	NS
Benzo(g,h,i)perylene	LCS	9	3.5	2	74-93	NS
Benzo(k)fluoranthene	LCS	9	3.6	2	71-89	NS
	MS	2	1.6	1	84-100	50



**B-10**  
(continued)

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	Std. Dev.	Range of Recoveries	QC Limits RPD %
Chrysene	LCS	9	4.0	2	84-110	NS
Dibenzo(a,h)anthracene	LCS	9	3.8	3	68-103	NS
	MS	2	3.0	3	80-85	50
Fluoranthene	LCS	9	5.1	3	67-103	NS
Fluorene	LCS	9	14	8	59-92	NS
	MS	2	10	6	70-95	50
Indeno(1,2,3)pyrene	LCS	9	4.0	2	96-111	NS
Naphthalene	LCS	9	12	7	62-99	NS
	MS	2	47	54	14-95	50
Phenanthrene	LCS	9	7.0	3	60-99	NS
	MS	2	6.5	4	78-93	50
Pyrene	LCS	9	3.7	1	60-92	NS

## 5.0

## QUALITY CONTROL RESULTS FOR 1993 SOIL ANALYSES

Quality control (QC) procedures and activities implemented during this program provide a basis for estimating data precision and accuracy. QC procedures associated with investigative soil samples included the analysis of field and laboratory blanks, matrix and surrogate spikes, laboratory control samples, and analytical, matrix spike, and field duplicates. Results of these analyses are discussed in this section. Detailed listings of the QC results for the 1993 sampling and analysis program are presented in Attachment B.

### 5.1

### SW6010 - Metals

Soil samples were analyzed to determine the concentrations of 23 (less boron and silicon) elements. Soil samples were prepared according to SW3050. The metals concentrations were determined by SW6010 which allows the simultaneous, or sequential, measurement of elements using Inductively Coupled Plasma Emission Spectroscopy (ICPES). This method measures the emitted light of each element by optical spectrometry. Samples are nebulized, and the resulting aerosol is transported to the plasma torch. Element specific atomic-line emission spectra are produced which are dispersed by a grating spectrometer. Intensities of the lines are monitored by photomultiplier tubes.

#### 5.1.1

#### Blanks

Three method blanks and two equipment blanks, associated with project soil samples, were analyzed for 23 metallic analytes by SW6010. Table B-11 presents a summary of the results for the blank analyses. Iron was found in one equipment blank at a concentration (0.93 mg/L) above the reporting limits. All samples associated with this blank were at least 10 times the amount found in the blank. Low levels of other SW6010 analytes were found in one or more of the blanks analyzed at

concentrations below the project reporting limits.

#### **5.1.2 Spikes**

Four laboratory control sample pairs (LCS/LCSDs) were analyzed by SW6010 with the soil samples to assess method accuracy. Table B-12 presents a summary of the data for these analyses. All mean and individual recoveries were within the acceptance criteria (80-120%). Four commercially available soil standards (ERA) were also run with each analytical batch run by SW6010. The mean recoveries for the ERA LCS pairs ranged from 81% to 108 percent. The mean recoveries and all individual recoveries were within the 80-120% accuracy objectives for the project. Three MS/MSD pairs were analyzed to assess method accuracy for the Galena soil matrices. With the exception of antimony all mean and individual MS/MSD recoveries were within the project acceptance criteria of 75-125 percent. The mean recovery for antimony 52.7% with all seven of the matrix spike recoveries below the acceptance criteria. Overall the LCS and MS/MSD recoveries reported indicate that acceptable method accuracy was achieved for the SW6010 metals. However, the MS/MSD recoveries indicate that the investigative soil results may be biased low for antimony.

#### **5.1.3 Duplicates**

Precision estimates for metals analyzed by method SW6010 were calculated as mean RPDs. Mean RPDs for the four LCS pairs ranged from 1.0% to 7.1%, all well within the laboratory stated precision objectives of  $RPD \leq 35$  percent. Precision estimates based on the analysis of three matrix spiked sample pairs showed similar variability with mean RPDs ranging from 0.37% to 16 percent. Table B-15 provides a summary of the precision estimates for the soil analyses.

## **5.2**

### **SW7060 - Arsenic**

Samples were prepared by acid digestion following SW3050 and analyzed by graphite furnace atomic absorption (GFAAS) technique (SW7060). In this method, a sample aliquot is placed in a graphite tube in the furnace, evaporated, charred, and atomized. Absorption of radiation by GFAAS during atomization is proportional to the arsenic concentration.

#### **5.2.1**

##### **Blanks**

Eight equipment blanks and seven method blanks were analyzed with the project samples to assess sampling and analytical contamination. No arsenic was detected in any of the equipment blanks. Arsenic was found in one of the method blanks at a concentration (0.019 mg/kg) below the 0.5 mg/kg reporting limit. These results showed no measurable systematic laboratory arsenic contamination at the time of the sample analysis. A summary of blank results is presented in Table B-11.

#### **5.2.2**

##### **Spikes**

Eleven liquid and 11 solid (ERA) LCSs were analyzed by SW7060 to assess method accuracy. Reported recoveries were within the SAP acceptance criteria (80-120%). Mean LCS recovery was 92.4% with a standard deviation of 4.39 for the liquid LCS and 113% with a standard deviation of 5.91 for the ERA LCS. Seven samples were also analyzed as MS/MSD pairs to assess whether the matrix affected method accuracy. The mean recovery for the MS/MSD pairs was 94.5 percent with a standard deviation of 7.19. A summary of the LCS results is presented in Table B-12 and a summary of the matrix spike results is presented in Table B-13.

### **5.2.3 Duplicates**

Ten LCS pairs were analyzed by Method SW7060 to estimate method precision. The mean RPD calculated for the LCS pairs was 2.3 percent. Seven MS/MSD pairs analyzed showed higher variability with a mean RPD of 4.8 percent. Both precision estimates, however, were well within the laboratory objectives of RPD  $\leq 35$  percent. A summary of the precision estimates is presented in Table B-15.

### **5.3 SW7421 - Lead**

Samples were prepared by acid digestion following SW3050 and analyzed by graphite furnace atomic absorption (GFAAS) technique (SW7421). In this method, a sample aliquot is placed in a graphite tube in the furnace, evaporated, charred, and atomized. Absorption of radiation by GFAAS during atomization is proportional to the lead concentration.

#### **5.3.1 Blanks**

Eight equipment blanks and ten method blanks analyses were performed for lead by Method SW7421. Lead was found in three method blanks at a concentration below the reporting limits and in eight equipment blanks with concentrations in four of the blanks above the reporting limits. A summary of blank results is presented in Table B-11.

#### **5.3.2 Spikes**

Eleven liquid and 16 solid (ERA) LCSs were analyzed for lead by SW7421 to assess method accuracy. The mean recovery for the liquid LCSs was 102.1% with a standard deviation of 2.91 and the mean recovery for the ERA LCSs was 93.2 with standard deviation of 2.79. The LCS recoveries are summarized in

Table B-12. These recoveries indicate acceptable method accuracy for the laboratory systems at the time of sample analysis. Ten samples were spiked and analyzed as matrix spike pairs. The mean recovery for the MS/MSD spikes was 90.1% with a standard deviation of 36.21. Six of the 20 MS/MSD recoveries were below project objectives (75-125%). The concentration of lead in the native sample was 2-5 times the spike concentration and may be partially responsible for the poor recoveries.

### **5.3.3 Duplicates**

Precision estimates (mean RPD) based on the 13 LCS pairs and 13 MS/MSD pairs analyzed by Method SW7421 were 1.65% and 27.4%, respectively. The precision estimate based on the LCS pairs was within the laboratory stated objectives (RPD  $\leq$  35%); the precision estimate based on the MS/MSD pairs indicated slightly higher variability than the laboratory objectives. A summary of the duplicate results is presented in Table B-15.

## **5.4 SW7471 - Mercury**

Soil samples were prepared as directed in SW7471 and analyzed by the cold vapor atomic absorption spectrometry (CVAA) technique. During preparation, mercury in the sample is reduced to the elemental state. An aliquot of the prepared sample is then aerated from solution in a closed system. The mercury vapor passes through a cell positioned in the light path of an atomic absorption spectrometer.

### **5.4.1 Blanks**

Two equipment blanks and two method blanks were analyzed for mercury by SW7471. With the exception of one method blank, no mercury was detected in the blank analyses. Mercury was detected at a concentration of 0.013 mg/kg well below the method reporting limit at 0.1 mg/kg.

#### **5.4.2 Spikes**

Two liquid LCS and two solid (ERA) LCS were analyzed to assess method accuracy, and two soil samples were spiked and analyzed in duplicate to determine the effect of the soil matrix on the recovery of mercury by Method SW7471. The mean recovery for the liquid LCS pair was 105.0% and the mean recovery for the ERA LCS was 110.5 percent. The mean recovery for the MS/MSD pairs was 104.8% with a standard deviation of 2.63. These LCS and MS/MSD analyses demonstrate acceptable method accuracy was achieved.

#### **5.4.3 Duplicates**

The calculated mean RPD for one LCS pair analyzed for mercury by Method SW7471 was 0.91 and the mean RPD for the two MS/MSD pairs was 2.41 percent. All individual RPDs calculated based on the LCS and MS/MSD results were within the laboratory stated precision objectives ( $RPD \leq 35\%$ ) which indicate good precision was achieved for mercury measurements by SW7471.

#### **5.5 SW7740 - Selenium**

Samples were prepared by acid digestion following EPA SW3050 and analyzed by GFAAS technique described in SW7740. In this method, a sample aliquot is placed in a graphite tube in the furnace, evaporated, charred, and atomized. Radiation from a given excited element is passed through the vapor containing ground-state atoms of selenium. The intensity of the radiation decreases in proportion to the amount of ground-state atoms present. A monochromator isolates the characteristic radiation from the hollow cathode tube or electrodeless discharge lamp, and a photosensitive device measures the attenuated transmitted radiation.

### **5.5.1 Blanks**

Three equipment blanks and three method blanks were analyzed for selenium according to SW7740 in association with the soil samples. A summary of blank results is presented in Table B-11. Reported results showed that no selenium was detected at or above the reporting limits in any of the blank analyses. This indicates that no selenium contamination was present in the laboratory systems at the time of sample analysis.

### **5.5.2 Spikes**

A total of six liquid LCS and four solid (ERA) LCS were analyzed with the soil samples to assess method accuracy for selenium by Method SW7740. In addition, two samples were matrix spiked in duplicate to determine if the soil matrix would affect the selenium measurements. The mean recovery for the liquid LCS pairs was 98.2% with a standard deviation of 2.71 and the mean recovery for the ERA LCS was 112.0 with a standard deviation of 2.83. The mean recovery for the MS/MSD pairs was 90.0% with a standard deviation of 8.5. A summary of the LCS results is presented in Table B-12 and a summary of the matrix spike results is presented in Table B-13.

### **5.5.3 Duplicates**

A total of two LCS pairs were analyzed according to method SW7740 to assess method precision. The mean RPD for the LCS was 1.75 percent. Two MS/MSD pairs showed a RPD of 4.3 percent. Both precision estimates were within the laboratory objectives of  $\leq 35\%$  RPD which indicates that good precision was achieved for the solids analyses. Precision estimates are presented in Table B-5.



## 5.6

### Alaska Methods - Gasoline Range Organics and Diesel Range Organics

The Alaska Method for diesel range organics (DRO) is designed to measure the concentration of DRO, C-10 through C-28 (boiling range 170°C - 430°C), in water and soil. Samples are extracted with methylene chloride and the extract is dried and concentrated in hexane. The extract is analyzed by injection onto the capillary column of a gas chromatograph equipped with a flame ionization detector (FID). Quantitation is performed by comparing the total chromatographic area between n-C10 and n-C28, including resolved and unresolved components, to the response of a calibration standard.

The Alaska Method for gasoline range organics (GRO) was used to measure the concentration of GRO, C-6 through C-10 (boiling range 60°C - 170°C), in water and soil. Water samples are analyzed directly by purge-and-trap gas chromatography with flame ionization/photo ionization detection (FID/PID). Soil samples are extracted into methanol and a portion of the methanol extract is analyzed by purge-and-trap GC. Quantitation is based on a direct comparison of the area within the range of 2-methyl pentane and 1,2,4-trimethylbenzene.

#### 5.6.1      **Blanks**

Two equipment blanks and six method blanks were analyzed for diesel range organics along with the soil samples using the Alaska method. Organic compounds were found in four of the method blanks and one of the equipment blanks, DRO was not detected above the reporting limits in these blanks.

Seven equipment blanks, six trip blanks, five equipment blanks, and 10 method blanks were analyzed for GRO along with the soil samples using the Alaska method. GRO was found in concentrations below the reporting limits in all of the field blanks but was not found in any of the method blanks. A summary of blank

results is presented in Table B-11.

#### **5.6.2 Spikes**

Five LCS pairs were analyzed for DRO to assess method accuracy. The mean recovery and all individual LCS recoveries were within the laboratory stated acceptance criteria of 50-150 percent. Five matrix spiked duplicate samples were analyzed to assess method accuracy for the soil matrix. The mean recovery for the MS/MSD exceeded the acceptance criteria due to the recoveries for one although seven recoveries were below the acceptance limits and four recoveries were above the acceptance criteria. Summaries of the spike results are presented in Tables B-12 and B-13.

#### **5.6.3 Duplicates**

A total of six LCS pairs were analyzed for DRO to estimate method precision. The mean RPD for the LCS pairs (5.45%) indicates good method precision. Precision estimates based on the analysis of five MS/MSD pairs showed higher variability with a calculated RPD of 27% which was biased high by one MS/MSD pair with a very high RPD that was outside the laboratory objective of a  $RPD \leq 50$  percent. Two LCS pairs were analyzed for GRO to estimate method precision. The mean RPD for the LCS pairs (3.56%) indicates good method precision. Precision estimates based on the analysis of two MS/MSD pairs showed similar variability with a calculated RPD of 6.06 percent. Precision estimates are presented in Table B-15.

### **5.7 SW8240 - Volatile Organic Compounds**

Volatile, or purgeable, organics in the soil samples were determined using Method SW8240. The soil samples were initially prepared by extraction into

methanol followed by purging with an inert gas to transfer volatile organics from the liquid to the vapor phase. The vapor is swept through a sorbent trap where the purgeable organics are trapped. The trap is then backflushed and heated to desorb the organics onto a gas chromatographic column where they are separated and then detected with a mass spectrometer.

#### **5.7.1 Blanks**

Six equipment blanks, four ambient blanks, five trip blanks, and 13 method blanks were analyzed with the soil samples for volatile organics using Method SW8240. Chloroform and methylene chloride were the only analytes found in the method blanks at concentrations above the method reporting limits. Acetone was found in two equipment blanks, two ambient blanks, and one trip blank at level above the reporting limits and MEK was found in one trip blank above the reporting limits. Acetone and MEK were also found in one or more method blanks at levels below the reporting limits. A summary of the blank results is presented in Table B-11.

#### **5.7.2 Spikes**

A total of three LCS pairs were analyzed for volatile organic compounds by SW8240 with the soil samples to assess the method accuracy. The mean recoveries for all analytes were within the accuracy criteria for the method with recoveries ranging from 83.8% to 190.5 percent. In addition all individual recoveries were within the accuracy criteria except for a single LCS for 1,1,2,2-tetrachloroethane and vinyl acetate that were above the QC objectives. Eleven samples were analyzed as matrix spike pairs to assess the effect of the matrix on method accuracy. Mean recoveries for the MS/MSD pairs ranged from 82.3% to 104.1% with one recovery each for chlorobenzene and toluene above the QC objectives. Overall, these results indicate that acceptable method accuracy was achieved. Summaries of the LCS and

MS/MSD spike results are presented in Tables B-12 and B-13, respectively.

Three surrogate compounds, 1,2-dichloroethane-d<sub>4</sub>, 1,4-bromofluorobenzene, and toluene-d<sub>8</sub>, were added to each blank, LCS, MS/MSD, and field sample to assess analytical accuracy for each individual analysis. Of the 171 surrogate spikes added to the investigative samples, one recovery was below objectives for 1,4-bromofluorobenzene-d<sub>4</sub> and two recoveries for toluene-d<sub>8</sub> were below objectives. Overall, SW8240 surrogate recoveries indicated acceptable method accuracy. A summary of the surrogate results is presented in Table B-14.

#### **5.7.2 Duplicates**

Three LCS pairs were analyzed volatile organics by SW8240 to estimate method precision. The mean RPDs for the SW8240 target analytes ranged 4.69% to 54 percent. Similar variability was found for the method based on the analysis of 11 matrix spiked duplicates. The mean RPDs estimated for the MS/MSD pairs ranged from 8.52% to 17.8 percent. These results indicate that good method precision was achieved for the analysis. A summary of the precision estimates for each SW8240 analyte is presented in Table B-15.

#### **5.8 SW8270 - Semivolatile Organics**

Semivolatile organics, also known as base/neutral and acid extractables, in soil samples were analyzed using Method SW8270. Organic compounds are extracted from the sample with methylene chloride at pH greater than 12 to obtain base/neutral extractables. Acid extractable compounds are obtained from the sample by extraction with methylene chloride at pH 2 or less. Both base/neutral and acid extracts are then concentrated by removal of the methylene chloride through evaporation. Compounds of interest are separated and quantified using a GC/MS. These techniques quantitatively determine the concentration of a number of

semivolatile organic compounds.

#### **5.8.1 Blanks**

Five equipment blanks and four method blanks were analyzed with soil samples analyzed for semivolatile organic compounds by Method SW8270. No semivolatile compounds were detected at or above the method reporting limits in any of the blanks. However, bis(2-ethylhexyl)phthalate was found at a concentration of 0.028  $\mu\text{g/g}$  in one method blank. The concentrations of this compound was well below the 0.300  $\mu\text{g/g}$  reporting limits for the method and therefore, no substantial impact to the reported results is expected.

#### **5.8.2 Spikes**

A total of three LCS pairs were analyzed for semivolatile organics by Method SW8270 to assess method accuracy. The mean recoveries for the SW8270 analytes ranged from 30.5% to 129%, all within the QC criteria stated in the project SAP. All individual recoveries for the SW8270 LCS analytes were within the QC objectives as stated in the project SAP. Four MS/MSD pairs were analyzed to determine the method accuracy with the soil matrix. Mean recoveries ranged from 78.1% to 90 percent. All individual recoveries were within the QC objectives. Overall, these results indicate that good accuracy was achieved by the method.

Six surrogate spike compounds were added to each blank, LCS, MS/MSD and field sample to assess the effectiveness of sample extraction and analytical procedures. All calculated mean recoveries and individual recoveries were within QC objectives. Overall, SW8270 surrogate recoveries indicated acceptable method accuracy. Spike results are summarized in Tables B-12 through B-14.

### **5.8.3 Duplicates**

A total of four LCS duplicate pairs were used to assess method precision for Method SW8270. The mean RPDs for the LCS pairs ranged from 1.10% to 42%, with results for all analytes within the SAP stated precision objectives of 52 percent. Precision estimates based on the analysis of four matrix spike pairs showed mean RPDs ranging from 5.59% to 7.75 percent. These estimates agree with the LCS estimates and both indicate that acceptable precision was achieved for the soil samples analyzed by Method SW8270. Precision estimates are presented in Table B-15.

## **5.9 SW8310 - Polynuclear Aromatic Hydrocarbons (PAHs)**

Method SW8310 is used to determine the concentration of selected PAHs in groundwater and wastes. Method SW8310 uses high performance liquid chromatography (HPLC) for the detection of ug/L levels of PAHs. Samples are analyzed by direct injection. Detection is by ultraviolet and fluorescence detectors.

### **5.9.1 Blanks**

One equipment blank and three method blanks were analyzed for PAHs by Method SW8310 along with the soil samples. No PAH compounds were detected above the reporting limits in any of the blanks analyzed by this method. Benzo(k)fluoranthene, benzo(b)fluoranthene, benzo(a)pyrene, benzo(g,h,i)perylene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene and phenanthrene were found at concentrations below the reporting limits in one or more of the blanks.

### **5.9.2 Spikes**

Two LCS pairs were analyzed by SW8310 to assess method accuracy.

The mean recoveries for the PAH analytes ranged from 57.5% to 115 percent. All recoveries were within the objectives listed in the SAP except for one recovery for dibenzo(a,h)anthracene and naphthalene which were above the QC objectives. One matrix spiked duplicate sample was analyzed to determine the effect of the soil matrix on the method accuracy. The mean recoveries for the MS/MSD analyses ranged from 17.5% to 143.5 percent. All recoveries were within the QC objectives. One surrogate spike compound, terphenyl-d<sub>14</sub>, was added to each blank, LCS, MS/MSD, and field sample to assess the effectiveness of sample extraction and analytical measurement. All surrogates were recovered within the project SAP QC objectives. These results indicate acceptable method accuracy. Summaries of spike results for the soil samples are presented in Tables B-12 through B-14.

### **5.9.3 Duplicates**

A total of two LCS pairs were analyzed for PAHs by Method SW8310 to estimate method precision. The mean RPDs for these analyses ranged from 4.5% to 79% showing good method precision for most of the analytes based on an RPD objective of 50 percent. Precision estimates for the method based on the analysis of one matrix spike pair showed RPDs ranging from 0.0% to 31.4 Percent. Precision estimates for each analyte are presented in Table B-15.

Table B-11

## Summary of Blank Results for 1993 Soil Samples

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive detects	No. Above Limits	Range of Concentrations	Reporting Limits
<b>SW6010 - ICPEs Metals</b>						
Aluminum	Method	3	2	0	2.5-6.6 mg/kg	50 mg/kg
	Equip	2	1	0	0.046 mg/L	0.5 mg/L
Antimony	Method	3	2	0	1.2-1.5 mg/kg	15 mg/kg
	Equip	2	1	0	0.0037 mg/L	0.5 mg/L
Arsenic	Method	3	2	0	0.19-14 mg/kg	30 mg/kg
	Equip	2	1	0	0.018 mg/L	0.3 mg/L
Barium	Method	3	2	0	0.028-0.040 mg/kg	10 mg/kg
	Equip	2	2	0	0.001-0.0018 mg/L	0.1 mg/L
Beryllium	Method	3	0	0		1 mg/kg
	Equip	2	0	0		0.01 mg/L
Cadmium	Method	3	2	0	0.14-0.23 mg/kg	0.5 mg/kg
	Equip	2	0	0		0.005 mg/L
Calcium	Method	3	3	0	3.4-4.3 mg/kg	100 mg/kg
	Equip	2	2	0	0.11-0.15 mg/L	1 mg/L
Chromium	Method	3	3	0	0.22-0.43 mg/kg	5 mg/kg
	Equip	2	1	0	0.0015 mg/L	0.05 mg/L
Cobalt	Method	3	2	0	0.00023-0.35 mg/kg	5 mg/kg
	Equip	2	2	0	0.019-0.024 mg/L	0.05 mg/L
Copper	Method	3	2	0	0.00048-0.0033 mg/kg	5 mg/kg
	Equip	2	1	0	0.21-1.7 mg/L	0.05 mg/L
Iron	Method	3	3	0	0.0027 mg/kg	5 mg/kg
	Equip	2	2	1	0.63-0.93 mg/L	0.05 mg/L
Lead	Method	3	1	0	1.3 mg/kg	5 mg/kg
	Equip	2	0	0		0.2 mg/L
Magnesium	Method	3	2	0	0.34-1.6 mg/kg	100 mg/kg
	Equip	2	2	0	0.0042-0.074 mg/L	1 mg/L
Manganese	Method	3	2	0	0.021-0.033 mg/kg	2 mg/kg
	Equip	2	2	0	0.0013-0.0017 mg/L	0.02 mg/L
Molybdenum	Method	3	2	0	0.034-0.11 mg/kg	10 mg/kg
	Equip	2	0	0		0.1 mg/L
Nickel	Method	3	2	0	0.41-0.98 mg/kg	15 mg/kg
	Equip	2	2	0	0.0035-0.0064 mg/L	0.15 mg/L



Table B-11

(Continued)

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive detects	No. Above Limits	Range of Concentrations	Reporting Limits
Potassium	Method	3	2	0	4.3-16.0 mg/kg	100 mg/kg
	Equip	2	1	0	0.025 mg/L	5 mg/L
Selenium	Method	3	1	0	0.48 mg/kg	50 mg/kg
	Equip	2	1	0	0.037 mg/L	1 mg/L
Silver	Method	3	1	0	0.23 mg/kg	5 mg/kg
	Equip	2	0	0		0.05 mg/L
Sodium	Method	3	2	0	10.9-12.0 mg/kg	100 mg/kg
	Equip	2	2	0	0.10-0.15 mg/L	1 mg/L
Thallium	Method	3	1	0	1.3 mg/kg	7 mg/kg
	Equip	2	2	0	0.0057-0.023 mg/L	0.4 mg/L
Vanadium	Method	3	2	0	0.066-0.28 mg/kg	10 mg/kg
	Equip	2	1	0	0.00093 mg/L	0.1 mg/L
Zinc	Method	3	3	0	0.094-0.17 mg/kg	2 mg/kg
	Equip	2	2	0	0.0028-0.011 mg/L	0.02 mg/L
<b>GFAAS Metals</b>						
Arsenic - SW7060	Method	7	1	0	0.019 mg/kg	0.5 mg/kg
	Equip	8	0	0		0.005 mg/L
Lead - SW7421	Method	10	3	0	0.060-0.10 mg/kg	0.5 mg/kg
	Equip	8	8	4	0.00069-0.044 mg/L	0.005 mg/L
Mercury - SW7471	Method	2	1	0	0.013 mg/kg	0.1 mg/kg
	Equip	2	0	0		0.001 mg/L
Selenium - SW7740	Method	3	0	0		0.5 mg/kg
	Equip	3	0	0		0.005 mg/L
<b>Alaska Methods</b>						
GRO- AK101	Method	10	0	0		10 mg/kg
	Equip	7	7	0	20-85 $\mu$ g/L	100 $\mu$ g/L
	Trip	6	6	0	20-38 $\mu$ g/L	
	Ambient	5	5	0	20-59 $\mu$ g/L	
DRO - AK102	Method	6	4	0	0.040-3.0 mg/kg	20 mg/kg
	Equip	2	1	0	3 $\mu$ g/L	200 $\mu$ g/L
<b>SW8240 - Volatile Organic Compounds</b>						
Acetone	Method	13	3	0	0.4-4.5 $\mu$ g/kg	10 $\mu$ g/kg
	Equip	6	2	2	17-33 $\mu$ g/L	10 $\mu$ g/L
	Ambient	4	2	2	13-43 $\mu$ g/L	
	Trip	5	4	1	3.8-37.0 $\mu$ g/L	

Table B-11

(Continued)

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive detects	No. Above Limits	Range of Concentrations	Reporting Limits
Benzene	Method	13	0	0		5 µg/kg
	Equip	6	1	0	0.42 µg/L	5 µg/L
	Ambient	4	0	0		
	Trip	5	0	0		
Bromodichloromethane	Method	13	0	0		5 µg/kg
	Equip	6	0	0		5 µg/L
	Ambient	4	0	0		
	Trip	5	0	0		
Bromoform	Method	13	0	0		5 µg/kg
	Equip	6	0	0		5 µg/L
	Ambient	4	0	0		
	Trip	5	0	0		
Bromomethane	Method	13	0	0		10 µg/kg
	Equip	6	0	0		10 µg/L
	Ambient	4	0	0		
	Trip	5	0	0		
2-Butanone (MEK)	Method	13	1	0	6.2 µg/kg	10 µg/kg
	Equip	6	0	0		10 µg/L
	Ambient	4	0	0		
	Trip	5	3	1	3.5-16.0 µg/L	
Carbon disulfide	Method	13	0	0		5 µg/kg
	Equip	6	0	0		5 µg/L
	Ambient	4	0	0		
	Trip	5	0	0		
Carbon tetrachloride	Method	13	0	0		5 µg/kg
	Equip	6	0	0		5 µg/L
	Ambient	4	0	0		
	Trip	5	0	0		
Chlorobenzene	Method	13	0	0		5 µg/kg
	Equip	6	0	0		5 µg/L
	Ambient	4	0	0		
	Trip	5	0	0		

Table B-11

(Continued)

Method/Analyte	Type of Blank	No. of Blanks	No. of Positive detects	No. Above Limits	Range of Concentrations	Reporting Limits
Chloroethane	Method	13	0	0		10 $\mu$ g/kg
	Equip	6	0	0		10 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
2-Chloroethylvinyl ether	Method	13	0	0		10 $\mu$ g/kg
	Equip	6	0	0		10 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
Chloroform	Method	13	1	1	41 $\mu$ g/kg	5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	1	0	1.2 $\mu$ g/L	
	Trip	5	0	0		
Chloromethane	Method	13	0	0		10 $\mu$ g/kg
	Equip	6	0	0		10 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
Dibromochloromethane	Method	13	0	0		5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
1,1-Dichloroethane	Method	13	0	0		5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
1,2-Dichloroethane	Method	13	0	0		5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
1,1-Dichloroethene	Method	13	0	0		5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		

Table B-11

(Continued)

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive detects	No. Above Limits	Range of Concentrations	Reporting Limits
cis-1,2-Dichloroethene	Method	13	0	0		5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
trans-1,2-Dichloroethene	Method	13	0	0		5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
1,2-Dichloropropane	Method	13	0	0		5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
cis-1,3-Dichloropropene	Method	13	0	0		5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
trans-1,3-Dichloropropene	Method	13	0	0		5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
Ethylbenzene	Method	13	0	0		5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
2-Hexanone	Method	13	0	0		10 $\mu$ g/kg
	Equip	6	0	0		10 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	1	0	0.76 $\mu$ g/L	
Methylene chloride	Method	13	2	1	1.9-130 $\mu$ g/kg	5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	1	0	2.9 $\mu$ g/L	
	Trip	5	1	0		

Table B-11

(Continued)

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive detects	No. Above Limits	Range of Concentrations	Reporting Limits
4-Methyl-2-pentanone	Method	13	1	0	0.7 $\mu\text{g/kg}$	10 $\mu\text{g/kg}$
	Equip	6	0	0		10 $\mu\text{g/L}$
	Ambient	4	0	0		
	Trip	5	0	0		
Styrene	Method	13	0	0		5 $\mu\text{g/kg}$
	Equip	6	0	0		5 $\mu\text{g/L}$
	Ambient	4	0	0		
	Trip	5	0	0		
Tetrachloroethene	Method	13	0	0		5 $\mu\text{g/kg}$
	Equip	6	0	0		5 $\mu\text{g/L}$
	Ambient	4	0	0		
	Trip	5	0	0		
1,1,2,2-Tetrachloroethane	Method	13	1	0	0.9 $\mu\text{g/kg}$	5 $\mu\text{g/kg}$
	Equip	6	0	0		5 $\mu\text{g/L}$
	Ambient	4	0	0		
	Trip	5	0	0		
Toluene	Method	13	0	0		5 $\mu\text{g/kg}$
	Equip	6	0	0		5 $\mu\text{g/L}$
	Ambient	4	1	0	0.19 $\mu\text{g/L}$	
	Trip	5	2	0	0.12-0.23 $\mu\text{g/L}$	
1,1,1-Trichloroethane	Method	13	0	0		5 $\mu\text{g/kg}$
	Equip	6	0	0		5 $\mu\text{g/L}$
	Ambient	4	0	0		
	Trip	5	0	0		
1,1,2-Trichloroethane	Method	15	0	0		5 $\mu\text{g/kg}$
	Equip	6	0	0		5 $\mu\text{g/L}$
	Ambient	4	0	0		
	Trip	5	0	0		
Trichlorofluoromethane	Method	13	0	0		5 $\mu\text{g/kg}$
	Equip	6	0	0		5 $\mu\text{g/L}$
	Ambient	4	0	0		
	Trip	5	0	0		

Table B-11

(Continued)

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive detects	No. Above Limits	Range of Concentrations	Reporting Limits
Trichloroethene	Method	13	0	0		10 $\mu$ g/kg
	Equip	6	0	0		10 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
Vinyl acetate	Method	13	0	0		10 $\mu$ g/kg
	Equip	6	0	0		10 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
Vinyl chloride	Method	13	0	0		10 $\mu$ g/kg
	Equip	6	0	0		10 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
o-Xylene	Method	13	0	0		5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
m & p-Xylenes	Method	13	0	0		5 $\mu$ g/kg
	Equip	6	0	0		5 $\mu$ g/L
	Ambient	4	0	0		
	Trip	5	0	0		
<b>SW8270 - Semivolatile Organic Compounds</b>						
Acenaphthene	Method	4	0	0		0.300 $\mu$ g/g
	Equip	5	0	0		10 $\mu$ g/L
Acenaphthylene	Method	4	0	0		0.300 $\mu$ g/g
	Equip	5	0	0		10 $\mu$ g/L
Anthracene	Method	4	0	0		0.300 $\mu$ g/g
	Equip	5	0	0		10 $\mu$ g/L
Benzo(a)anthracene	Method	4	0	0		0.300 $\mu$ g/g
	Equip	5	0	0		10 $\mu$ g/L
Benzo(b)fluoranthene	Method	4	0	0		0.300 $\mu$ g/g
	Equip	5	0	0		10 $\mu$ g/L
Benzo(k)fluoranthene	Method	4	0	0		0.300 $\mu$ g/g
	Equip	5	0	0		10 $\mu$ g/L
Benzo(g,h,i)perylene	Method	4	0	0		0.300 $\mu$ g/g
	Equip	5	0	0		10 $\mu$ g/L

Table B-11

(Continued)

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive detects	No. Above Limits	Range of Concentrations	Reporting Limits
Benzo(a)pyrene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Benzoic acid	Method	4	0	0		1.60 $\mu\text{g/g}$
	Equip	5	0	0		50 $\mu\text{g/L}$
Benzyl alcohol	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
4-Bromophenyl phenyl ether	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Butylbenzylphthalate	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
4-Chloro-3-methylphenol	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
4-Chloroaniline	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
bis(2-Chloroethyl)ether	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
bis(2-Chloroethoxy)methane	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
bis(2-Chloroisopropyl)ether	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
bis(2-Ethylhexyl)phthalate	Method	4	1	0	0.028 $\mu\text{g/g}$	0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
2-Chloronaphthalene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
2-Chlorophenol	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
4-Chlorophenyl phenyl ether	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Chrysene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Di-n-octylphthalate	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Dibenzo(a,h)anthracene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$

Table B-11

(Continued)

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive detects	No. Above Limits	Range of Concentrations	Reporting Limits
Dibenzofuran	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Dibutylphthalate	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
1,2-Dichlorobenzene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
1,3-Dichlorobenzene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
1,4-Dichlorobenzene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
3,3'-Dichlorobenzidine	Method	4	0	0		0.600 $\mu\text{g/g}$
	Equip	5	0	0		20 $\mu\text{g/L}$
2,4-Dichlorophenol	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Diethylphthalate	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
2,4-Dimethylphenol	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Dimethylphthalate	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
4,6-Dinitro-2-methylphenol	Method	4	0	0		1.60 $\mu\text{g/g}$
	Equip	5	0	0		50 $\mu\text{g/L}$
2,4-Dinitrophenol	Method	4	0	0		1.60 $\mu\text{g/g}$
	Equip	5	0	0		50 $\mu\text{g/L}$
2,4-Dinitrotoluene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
2,6-Dinitrotoluene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Diphenylamine/ N-NitrosoDPA	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Fluoranthene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Fluorene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$



Table B-11

(Continued)

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive detects	No. Above Limits	Range of Concentrations	Reporting Limits
Hexachlorobenzene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Hexachlorobutadiene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Hexachlorocyclopentadiene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Hexachloroethane	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Indeno(1,2,3)pyrene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Isophorone	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
2-Methylnaphthalene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
2-Methylphenol	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
4-Methylphenol	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
N-Nitrosodipropylamine	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
Naphthalene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
2-Nitroaniline	Method	4	0	0		1.60 $\mu\text{g/g}$
	Equip	5	0	0		50 $\mu\text{g/L}$
3-Nitroaniline	Method	4	0	0		1.60 $\mu\text{g/g}$
	Equip	5	0	0		50 $\mu\text{g/L}$
4-Nitroaniline	Method	4	0	0		1.60 $\mu\text{g/g}$
	Equip	5	0	0		50 $\mu\text{g/L}$
Nitrobenzene	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
2-Nitrophenol	Method	4	0	0		0.300 $\mu\text{g/g}$
	Equip	5	0	0		10 $\mu\text{g/L}$
4-Nitrophenol	Method	4	0	0		1.60 $\mu\text{g/g}$
	Equip	5	0	0		50 $\mu\text{g/L}$

Table B-11

(Continued)

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive detects	No. Above Limits	Range of Concentrations	Reporting Limits
Pentachlorophenol	Method	5	0	0		1.0 ug/g
	Equip	5	0	0		30 µg/L
Phenanthrene	Method	4	1	0	0.017 µg/g	0.300 ug/g
	Equip	5	0	0		10 µg/L
Phenol	Method	5	0	0		0.300 ug/g
	Equip	5	0	0		10 µg/L
Pyrene	Method	4	0	0		0.300 ug/g
	Equip	5	0	0		10 µg/L
1,2,4-Trichlorobenzene	Method	4	0	0		0.300 ug/g
	Equip	5	0	0		10 µg/L
2,4,5-Trichlorophenol	Method	4	0	0		1.60 µg/g
	Equip	5	0	0		50 µg/L
2,4,6-Trichlorophenol	Method	5	0	0		0.300 µg/g
	Equip	5	0	0		10 µg/L
<b>SW8310 - Polynuclear Aromatic Hydrocarbons</b>						
Acenaphthene	Method	3	0	0		1000 µg/kg
	Equip	1	0	0		
Acenaphthylene	Method	3	0	0		1500 µg/kg
	Equip	1	0	0		
Anthracene	Method	3	0	0		500 µg/kg
	Equip	1	0	0		
Benzo(a)anthracene	Method	3	0	0		10 µg/kg
	Equip	1	0	0		
Benzo(a)pyrene	Method	4	1	0	0.0002 µg/kg	10 µg/kg
	Equip	1	1	0	0.0011 µg/kg	
Benzo(b)fluoranthene	Method	4	1	0	0.013 µg/kg	10 µg/kg
	Equip	1	0	0		
Benzo(g,h,i)perylene	Method	4	1	0	0.41 µg/kg	10 µg/kg
	Equip	1	0	0		
Benzo(k)fluoranthene	Method	4	1	0	0.0035 µg/kg	10 µg/kg
	Equip	1	1	0	0.004 µg/kg	
Chrysene	Method	4	0	0		100 µg/kg
	Equip	1	0	0		
Dibenzo(a,h)anthracene	Method	4	1	0	0.50 µg/kg	10 µg/kg
	Equip	1	1	0	0.0027 µg/kg	

Table B-11

(Continued)

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive detects	No. Above Limits	Range of Concentrations	Reporting Limits
Fluoranthene	Method	4	0	0		100 $\mu$ g/kg
	Equip	1	0	0		
Fluorene	Method	3	0	0		100 $\mu$ g/kg
	Equip	1	0	0		
Indeno(1,2,3-cd)pyrene	Method	3	2	0	0.11-0.15 $\mu$ g/kg	10 $\mu$ g/kg
	Equip	1	1	0	0.12 $\mu$ g/kg	
Naphthalene	Method	3	0	0		1000 $\mu$ g/kg
	Equip	1	0	0		
Phenanthrene	Method	3	1	0	4.8 $\mu$ g/kg	400 $\mu$ g/kg
	Equip	1	1	0	0.32 $\mu$ g/kg	
Pyrene	Method	3	0	0		200 $\mu$ g/kg
	Equip	1	0	0		

Table B-12

## Summary of Laboratory Control Sample Results for 1993 Soil Samples

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW6010 - ICPEs Metals - Liquid LCS</b>						
Aluminum	8	96.1	1.73	0	0	80-120
Antimony	8	93.8	5.62	0	0	80-120
Arsenic	8	95.1	3.27	0	0	80-120
Barium	8	95.9	1.96	0	0	80-120
Beryllium	8	96.1	2.64	0	0	80-120
Cadmium	8	92.4	2.62	0	0	80-120
Calcium	8	98.4	2.97	0	0	80-120
Chromium	8	95.4	2.07	0	0	80-120
Cobalt	8	93.1	2.59	0	0	80-120
Copper	8	95.1	2.30	0	0	80-120
Iron	8	95.6	2.88	0	0	80-120
Lead	8	95.8	2.88	0	0	80-120
Magnesium	8	95.4	2.07	0	0	80-120
Manganese	8	94.3	2.19	0	0	80-120
Molybdenum	8	93.0	2.07	0	0	80-120
Nickel	8	95.5	3.12	0	0	80-120
Potassium	8	93.5	3.30	0	0	80-120
Selenium	8	94.0	2.51	0	0	80-120
Silver	6	93.0	1.11	0	0	80-120
Sodium	8	96.5	2.20	0	0	80-120
Thallium	8	93.0	3.38	0	0	80-120
Vanadium	8	95.1	2.03	0	0	80-120
Zinc	8	92.9	3.14	0	0	80-120
<b>SW6010 - ICPEs Metals - Solid LCS (ERA)</b>						
Aluminum	4	91.0	1.41	0	0	80-120
Antimony	4	98.3	3.77	0	0	80-120
Arsenic	4	107.8	5.19	0	0	80-120
Barium	4	90.5	1.29	0	0	80-120
Beryllium	4	93.8	1.50	0	0	80-120
Cadmium	4	95.0	1.15	0	0	80-120

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
Chromium	4	83.3	0.96	0	0	80-120
Cobalt	4	91.5	0.58	0	0	80-120
Copper	4	90.3	0.50	0	0	80-120
Iron	4	85.8	2.06	0	0	80-120
Lead	4	90.5	1.29	0	0	80-120
Magnesium	4	81.3	0.50	0	0	80-120
Manganese	4	89.0	0.0	0	0	80-120
Molybdenum	4	96.3	0.96	0	0	80-120
Nickel	4	93.3	2.06	0	0	80-120
Potassium	4	89.5	3.00	0	0	80-120
Selenium	4	104.0	1.41	0	0	80-120
Silver	4	97.0	0	0	0	80-120
Sodium	4	87.0	0.82	0	0	80-120
Thallium	4	92.8	2.06	0	0	80-120
Vanadium	4	89.3	0.96	0	0	80-120
Zinc	4	88.5	0.58	0	0	80-120
<b>GFAAS Metals - Liquid LCS</b>						
Arsenic - SW7060	11	92.4	4.39	0	0	75-125
Lead - SW7421	11	102.1	2.91	0	0	75-125
Mercury	2	105.0	1.41	0	0	80-120
Selenium - SW7740	6	98.2	2.71	0	0	75-125
<b>GFAAS Metals - Solid LCS (ERA)</b>						
Arsenic - SW7060	11	113	6.04	0	0	75-125
Lead - SW7421	16	93.2	2.79	0	0	75-125
Selenium - SW7740	4	112.0	2.83	0	0	75-125
Mercury - SW7471	2	110.5	0.71	0	0	80-120
<b>Alaska Methods</b>						
GRO - AK101	10	93.4	9.38	0	0	50-150
DRO - AK102	12	109.9	13.41	0	0	50-150
<b>SW8240 - Volatile Organic Compounds</b>						
Acetone	6	106.7	12.61	0	0	NS
Benzene	6	105.7	6.62	0	0	37-151
Bromodichloromethane	6	114.8	8.30	0	0	35-155
Bromoform	6	110.0	12.60	0	0	45-169
Bromomethane	6	127.7	6.28	0	0	D-242

Table B-12

(Continued)

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
2-Butanone (MEK)	6	120.8	17.43	0	0	NS
Carbon disulfide	6	94.0	6.03	0	0	NS
Carbon tetrachloride	6	106.5	8.38	0	0	70-140
Chlorobenzene	6	127.7	9.61	0	0	37-160
Chloroethane	6	121.0	6.78	0	0	NS
2-Chloroethylvinyl ether	6	190.7	23.78	0	0	NS
Chloroform	6	105.3	6.22	0	0	51-138
Chloromethane	6	83.8	5.91	0	0	D-273
Dibromochloromethane	6	99.7	21.20	0	0	53-149
1,1-Dichloroethane	6	99.0	7.38	0	0	59-155
1,2-Dichloroethane	6	109.5	11.91	0	0	49-155
1,1-Dichloroethene	6	97.8	9.22	0	0	D-234
trans-1,2-Dichloroethene	6	108.7	9.22	0	0	54-156
1,2-Dichloropropane	6	106.8	7.39	0	0	D-210
cis-1,3-Dichloropropene	6	98.2	5.91	0	0	D-277
trans-1,3-Dichloropropene	6	100.3	11.27	0	0	17-183
Ethylbenzene	6	115.5	7.74	0	0	37-162
2-Hexanone	6	123.3	20.55	0	0	NS
Methylene chloride	6	101.8	12.35	0	0	D-221
4-Methyl-2-pentanone	6	103.5	16.51	0	0	NS
Styrene	6	112.3	7.97	0	0	NS
Tetrachloroethene	6	100.5	8.57	0	0	64-148
1,1,2,2-Tetrachloroethane	6	130.2	22.12	0	1	46-157
Toluene	6	104.7	15.11	0	0	47-150
1,1,1-Trichloroethane	6	106.0	10.35	0	0	52-162
1,1,2-Trichloroethane	6	105.0	17.67	0	0	52-150
Trichloroethene	6	94.0	6.32	0	0	71-157
Vinyl acetate	6	190.5	84.39	0	1	NS
Vinyl chloride	6	85.7	4.84	0	0	D-251
Xylene (total)	6	112.3	7.76	0	0	55-125

Table B-12

(Continued)

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW8270 - Semivolatile Organic Compounds</b>						
Acenaphthene	6	87.2	3.60	0	0	47-145
Acenaphthylene	6	94.7	3.88	0	0	33-145
Anthracene	6	97.7	6.06	0	0	27-133
Benzo(a)anthracene	6	91.8	6.01	0	0	33-143
Benzo(b)fluoranthene	6	84.5	4.51	0	0	24-159
Benzo(k)fluoranthene	6	96.5	6.09	0	0	11-162
Benzo(g,h,i)perylene	6	95.0	8.37	0	0	D-219
Benzo(a)pyrene	6	85.2	3.49	0	0	17-163
Benzoic acid	6	55.7	17.92	0	0	NS
Benzyl alcohol	6	95.5	5.18	0	0	NS
4-Bromophenyl phenyl ether	6	93.7	4.18	0	0	53-127
Butylbenzylphthalate	6	96.5	8.98	0	0	D-152
4-Chloro-3-methylphenol	6	93.4	2.77	0	0	22-147
4-Chloroaniline	6	93.5	9.05	0	0	NS
bis(2-Chloroethyl)ether	6	80.8	6.43	0	0	12-158
bis(2-Chloroethoxy)methane	6	91.2	1.60	0	0	33-184
bis(2-Chloroisopropyl)ether	6	87.2	7.52	0	0	12-158
2-Chloronaphthalene	6	84.0	2.76	0	0	60-118
2-Chlorophenol	8	87.6	4.81	0	0	23-134
4-Chlorophenyl phenyl ether	6	105.0	5.87	0	0	25-158
Chrysene	6	92.2	4.96	0	0	17-168
Di-n-octylphthalate	6	102.7	6.68	0	0	4-146
Dibenzo(a,h)anthracene	6	90.0	6.13	0	0	D-227
Dibenzofuran	6	78.5	38.60	0	0	NS
Dibutylphthalate	6	99.2	3.66	0	0	1-118
1,2-Dichlorobenzene	6	97.0	6.32	0	0	32-129
1,3-Dichlorobenzene	6	92.3	6.74	0	0	D-172
1,4-Dichlorobenzene	6	86.7	6.15	0	0	20-124
3,3'-Dichlorobenzidine	6	119.8	12.92	0	0	D-262
2,4-Dichlorophenol	6	91.0	3.12	0	0	39-135



Table B-12

(Continued)

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
Diethylphthalate	6	100.3	5.61	0	0	D-114
2,4-Dimethylphenol	6	61.5	4.87	0	0	32-119
Dimethylphthalate	6	93.8	2.64	0	0	D-112
4,6-Dinitro-2-methylphenol	8	99.0	3.42	0	0	D-181
2,4-Dinitrophenol	6	106.8	13.16	0	0	D-191
2,4-Dinitrotoluene	6	91.7	4.46	0	0	39-139
2,6-Dinitrotoluene	6	99.7	3.93	0	0	50-158
Diphenylamine/n-NitrosoDPA	6	84.2	10.53	0	0	NS
bis(2-Ethylhexyl)phthalate	6	90.2	6.68	0	0	8-158
Fluoranthene	6	91.5	4.32	0	0	26-137
Fluorene	6	81.0	4.15	0	0	59-121
Hexachlorobenzene	6	94.8	3.76	0	0	D-152
Hexachlorobutadiene	6	90.7	8.48	0	0	24-116
Hexachlorocyclopentadiene	6	30.5	5.32	0	0	NS
Hexachloroethane	6	92.7	4.50	0	0	40-113
Indeno(1,2,3)pyrene	6	87.0	1.79	0	0	D-171
Isophorone	6	60.0	2.19	0	0	21-196
2-Methylnaphthalene	6	129.0	17.80	0	0	NS
2-Methylphenol(o-cresol)	6	87.2	4.02	0	0	NS
4-Methylphenol(p-cresol)	6	78.8	2.55	0	0	NS
N-Nitrosodipropylamine	6	85.2	2.71	0	0	D-230
Naphthalene	6	90.8	4.12	0	0	21-133
2-Nitroaniline	6	90.0	3.46	0	0	NS
3-Nitroaniline	6	96.0	4.20	0	0	NS
4-Nitroaniline	6	96.8	2.04	0	0	NS
Nitrobenzene	6	89.3	1.86	0	0	35-180
2-Nitrophenol	6	94.9	3.23	0	0	29-182
4-Nitrophenol	6	91.5	7.20	0	0	D-132
Pentachlorophenol	6	71.9	6.90	0	0	14-176
Phenanthrene	6	87.5	4.93	0	0	54-120
Phenol	8	86.4	6.32	0	0	5-112



Table B-12

(Continued)

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
Pyrene	6	91.0	6.72	0	0	52-115
1,2,4-Trichlorobenzene	6	93.7	6.25	0	0	44-142
2,4,5-Trichlorophenol	6	89.3	3.33	0	0	NS
2,4,6-Trichlorophenol	8	72.6	1.69	0	0	37-144
<b>SW8310 - Polynuclear Aromatic Hydrocarbons</b>						
Acenaphthene	4	107.0	24.12	0	0	D-124
Acenaphthylene	4	79.0	20.58	0	0	D-139
Anthracene	4	61.8	20.52	0	0	D-126
Benzo(a)anthracene	4	88.5	8.81	0	0	D-135
Benzo(a)pyrene	4	57.5	35.39	0	0	D-128
Benzo(b)fluoranthene	4	109.0	13.11	0	0	D-150
Benzo(g,h,i)perylene	4	99.8	3.30	0	0	D-116
Benzo(k)fluoranthene	4	99.5	7.50	0	0	D-159
Chrysene	4	95.3	14.52	0	0	D-199
Dibenzo(a,h)anthracene	4	102.5	10.63	0	1	D-110
Fluoranthene	4	101.8	9.29	0	0	D-123
Fluorene	4	102.8	23.03	0	0	D-142
Indeno(1,2,3-cd)pyrene	4	115.0	9.76	0	0	D-116
Naphthalene	4	97.8	24.19	0	1	D-122
Phenanthrene	4	95.8	17.5	0	0	D-155
Pyrene	4	101.5	6.03	0	0	D-140

Table B-13

## Summary of Matrix Spiked Sample Results for 1993 Soil Samples

Parameter/ Analyte	No. of Spikes	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW6010 - ICPEs Metals</b>						
Aluminum	7	131.9	15.66	0	0	75-125
Antimony	7	52.7	8.62	7	0	75-125
Arsenic	7	92.0	3.56	0	0	75-125
Barium	7	99.6	6.60	0	0	75-125
Beryllium	7	93.7	1.25	0	0	75-125
Cadmium	7	88.7	0.95	0	0	75-125
Calcium	7	101.0	7.07	0	0	75-125
Chromium	7	94.3	1.98	0	0	75-125
Cobalt	7	90.1	0.69	0	0	75-125
Copper	7	91.7	1.80	0	0	75-125
Iron	7	90.1	7.45	0	2	75-125
Lead	7	91.3	3.95	0	0	75-125
Magnesium	7	97.7	3.40	0	0	75-125
Manganese	7	92.4	10.39	0	0	75-125
Molybdenum	7	89.0	1.0	0	0	75-125
Nickel	7	90.9	2.12	0	0	75-125
Potassium	7	95.0	3.92	0	0	75-125
Selenium	7	92.7	3.77	0	0	75-125
Silver	4	88.5	1.91	0	0	75-125
Sodium	7	95.4	0.79	0	0	75-125
Thallium	7	90.1	2.12	0	0	75-125
Vanadium	7	98.4	2.51	0	0	75-125
Zinc	7	88.3	1.70	0	0	75-125
<b>GFAAS Metals</b>						
Arsenic - SW7060	14	94.5	7.19	0	0	75-125
Lead - SW7421	20	90.1	36.21	6	0	75-125
Mercury - SW7471	4	104.8	2.63	0	0	75-125
Selenium - SW7740	4	90.0	8.49	0	0	75-125
<b>Alaska Methods</b>						
GRO - AK101	4	89.8	4.35	0	0	50-150

**Table B-13**  
**(Continued)**

Parameter/ Analyte	No. of Spikes	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
DRO - AK 102	10	523.1	904.29	0	3	50-150
<b>SW8240 - Volatile Organic Compounds</b>						
Benzene	22	97.8	15.98	0	0	37-151
Chlorobenzene	22	104.1	21.55	0	1	37-160
1,1-Dichloroethene	22	82.3	20.58	0	0	D-234
Toluene	21	100.0	22.83	0	1	47-150
Trichloroethene	22	92.1	15.37	0	0	71-157
<b>SW8270 - Semivolatile Organic Compounds</b>						
Acenaphthene	8	84.5	7.23	0	0	37-100
4-Chloro-3-methylphenol	8	89.9	8.41	0	0	22-147
2-Chlorophenol	8	85.9	5.94	0	0	23-134
1,4-Dichlorobenzene	8	80.5	5.50	0	0	20-124
2,4-Dinitrotoluene	8	80.4	11.69	0	0	39-139
N-Nitrosodipropylamine	8	78.1	10.49	0	0	D-230
4-Nitrophenol	8	83.4	13.59	0	0	D-132
Pentachlorophenol	8	73.9	10.08	0	0	14-176
Phenol	8	79.4	5.71	0	0	5-112
Pyrene	8	86.6	8.02	0	0	52-115
1,2,4-Trichlorobenzene	8	90.0	8.40	0	0	44-142
<b>SW8310 - Polynuclear Aromatic Organics</b>						
Acenaphthene	2	105.5	0.71	0	0	D 124
Acenaphthylene	2	83.0	0.0	0	0	D-139
Anthracene	2	65.5	4.95	0	0	D-126
Benzo(k)fluoranthene	2	99.5	3.54	0	0	D-159
Dibenzo(a,h)anthracene	2	143.5	28.99	0	0	D-110
Fluorene	2	82.5	6.37	0	0	D-142
Naphthalene	2	92.5	7.78	0	0	D-122
Phenanthrene	2	17.5	7.78	0	0	D-155

**Table B-14**

**Summary of Surrogate Recoveries - 1993 Soils**

Parameter/Analyte	No. Surrogate Spikes	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW8240 - Volatile Organics</b>						
<b>1,4-Bromofluorobenzene-d<sub>4</sub></b>						
Normal Samples	10	90.8	6.05	0	0	74-121
Field Dups	1	61.0	NC	1	0	74-121
LCS	6	97.3	1.51	0	0	74-121
<b>Toluene-d<sub>8</sub></b>						
Samples	10	87.8	15.05	2	0	81-117
Field Dups.	1	100.0	NC	0	0	81-117
LCS	6	92.5	5.61	0	0	81-117
<b>1,2-Dichloroethane-d<sub>4</sub></b>						
Samples	10	105.1	5.57	0	0	70-121
Field Dups.	1	94.0	NC	0	0	70-121
LCS	6	106.3	6.15	0	0	70-121
<b>SW8270 - Semivolatile Organics</b>						
<b>2-Fluorobiphenyl</b>						
Normal Samples	43	88.4	3.57	0	0	30-115
Field Dups.	5	87.6	3.05	0	0	30-115
LCS	6	89.8	3.60	0	0	30-115
<b>2-Fluorophenol</b>						
Normal Samples	43	85.0	5.83	0	0	25-121
Field Dups	5	85.4	8.76	0	0	25-121
LCS	8	83.3	7.98	0	0	25-121
<b>Nitrobenzene-d<sub>5</sub></b>						
Normal Samples	43	86.6	5.62	0	0	23-120
Field Dups.	5	84.8	3.03	0	0	23-120
LCS	6	86.7	3.44	0	0	23-120

**Table B-14**

**(Continued)**

Parameter/Analyte	No. Surrogate Spikes	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>Phenol-d<sub>5</sub></b>						
Normal Samples	43	90.2	3.68	0	0	24-113
Field Dups.	5	90.4	3.91	0	0	24-113
LCS	8	89.5	5.21	0	0	24-113
<b>p-Terphenyl-d<sub>14</sub></b>						
Normal Samples	43	93.0	3.71	0	0	18-137
Field Dups.	5	93.4	4.72	0	0	18-137
LCS	8	93.3	4.13	0	0	18-137
<b>2,4,6-Tribromophenol</b>						
Normal Samples	43	87.3	13.07	0	0	19-122
Field Dups.	5	84.8	12.56	0	0	19-122
LCS	8	89.4	8.62	0	0	19-122
<b>SW8310 - Polynuclear Aromatic Organics</b>						
<b>Terphenyl-d<sub>14</sub></b>						
Normal Samples	7	96.6	12.91	0	0	20-188
Field Dups.	1	107.0	NC	0	0	20-188
LCS	4	105.3	7.41	0	0	20-188
MS	2	84.5	20.51	0	0	20-188
Method Blanks	2	117.5	6.36	0	0	20-188

**TABLE B-15**  
**Summary of Duplicate Results for 1993 Soil Samples**

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	No. Above Limits	Range of Mean Recoveries	QC Limits RPD %
<b>SW6010 - ICP Metals</b>						
Aluminum	LCS			0		35
	MS	3	7.69	0	118-150	35
Antimony	LCS			0		35
	MS	3	4.96	0	43-60	35
Arsenic	LCS			0		35
	MS	3	5.43	0	90-96	35
Barium	LCS			0		35
	MS	3	2.11	0	93-107	35
Beryllium	LCS			0		35
	MS	3	0.35	0	92-94	35
Cadmium	LCS			0		35
	MS	3	0.38	0	88-89	35
Calcium	LCS			0		35
	MS	3	11.0	0	98-104	35
Chromium	LCS			0		35
	MS	3	0.72	0	92-97	35
Cobalt	LCS			0		35
	MS	3	0.37	0	90-91	35
Copper	LCS			0		35
	MS	3	1.07	0	90-94	35
Iron	LCS			0		35
	MS	3	5.57	0	84-99	35
Lead	LCS			0		35
	MS	3	3.67	0	87-95	35
Magnesium	LCS			0		35
	MS	3	5.4	0	97-100	35
Manganese	LCS			0		35
	MS	3	16.4	0	87-98	35

**Table B-15**  
**(Continued)**

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	No. Above Limits	Range of Mean Recoveries	QC Limits RPD %
Molybdenum	LCS			0		35
	MS	3	0.37	0	88-90	35
Nickel	LCS			0		35
	MS	3	2.58	0	89-93	35
Potassium	LCS			0		35
	MS	3	1.04	0	90-99	35
Selenium	LCS			0		35
	MS	3	4.24	0	89-96	35
Silver	LCS			0		35
	MS	3	1.56	0	84-90	35
Sodium	LCS			0		35
	MS	3	0.35	0	95-96	35
Thallium	LCS			0		35
	MS	3	2.25	0	88-90	35
Vanadium	LCS			0		35
	MS	3	1.02	0	96-102	35
Zinc	LCS			0		35
	MS	3	3.41	0	88-88.5	35
<b>GFAAS Metals</b>						
Arsenic - SW7060	LCS/ERA	10	2.30	0	86-122	35
	MS	7	4.87	0	80-102	35
Lead - SW7421	LCS/ERA	13	1.65	0	89-107	35
	MS3	13	27.4	3	34-118	35
Selenium - SW7740	LCS/ERA	2	1.75	0	110-114	35
	MS	2	4.3	0	83-97	35
Mercury - SW7471	LCS/ERA	1	0.91	0	100	35
	MS	2	2.41	0	103-106	35



**Table B-15**  
**(Continued)**

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	No. Above Limits	Range of Mean Recoveries	QC Limits RPD %
<b>Alaska Methods</b>						
DRO	LCS	6	5.45	0	<20-115	50
	MS	5	27.4	1	60-2600	50
GRO	LCS	2	3.56	0	78-88	50
	MS	2	6.06	0	86-96	50
<b>SW8240 - Volatile Organics</b>						
Acetone	LCS	3	17.7	0	98-114	NS
Benzene	LCS	3	7.45	0	102-110	NS
	MS	11		0		50
Bromodichloromethane	LCS	3	7.27	0	110-121	NS
Bromoform	LCS	3	17.5	0	106-117	NS
Bromomethane	LCS	11	7.27	0	126-129	NS
2-Butanone (MEK)	LCS	3	19.2	0	110-128	NS
Carbon disulfide	LCS	3	4.77	0	89-100	NS
Carbon tetrachloride	LCS	3	4.69	0	98-116	NS
Chlorobenzene	LCS	3	9.19	0	125-132	NS
	MS	11		0		50
Chloroethane	LCS	3	8.23	0	120-123	NS
2-Chloroethylvinyl ether	LCS	3	16.4	0	174-204	NS
Chloroform	LCS	3	6.20	0	101-110	NS
Chloromethane	LCS	3	8.21	0	78-86	NS
Dibromochloromethane	LCS	3	2.42	0	80-114	NS
1,1-Dichloroethane	LCS	3	6.50	0	92-102	NS
1,2-Dichloroethane	LCS	3	10.4	0	100-122	NS
1,1-Dichloroethene	LCS	3	9.50	0	90-104	NS
	MS	11		0		50
trans-1,2-Dichloroethene	LCS	3	5.78	0	100-117	NS
1,2-Dichloropropane	LCS	3	5.07	0	101-114	NS
cis-1,3-Dichloropropene	LCS	3	8.46	0	97-100	NS



Table B-15

(Continued)

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	No. Above Limits	Range of Mean Recoveries	QC Limits RPD %
trans-1,3-Dichloropropene	LCS	3	10.4	0	90-121	NS
Ethyl benzene	LCS	3	5.87	0	113-132	NS
2-Hexanone	LCS	3	25.6	0		NS
Methylene chloride	LCS	3		0	98-109	NS
4-Methyl-2-pentanone	LCS	3	24.8	0	108-116	NS
Styrene	LCS	3	7.53	0	100-102	NS
Tetrachloroethene	LCS	3	11.6	0	120-140	NS
1,1,2,2-Tetrachloroethane	LCS	3	20.2	0	98-113	NS
Toluene	LCS	3		0		NS
	MS	11	17.8	0		50
1,1,1-Trichloroethane	LCS	3		0	100-113	NS
1,1,2-Trichloroethane	LCS	3	12.3	0	88-122	NS
Trichloroethene	LCS	3	15.8	0	88-98	NS
	MS	11		0		50
Vinyl acetate	LCS	3	8.54	0	138-223	NS
Vinyl Chloride	LCS	3	54	1		NS
Xylene, Total	LCS	3	7.54	0	108-116	NS
<b>SW8270 - Semivolatile Organic Compounds</b>						
Acenaphthene	LCS					NS
	MS					50
Acenaphthylene	LCS					NS
Anthracene	LCS					NS
Benzo(a)anthracene	LCS					NS
Benzo(b)fluoranthene	LCS					NS
Benzo(k)fluoranthene	LCS					NS
Benzo(g,h,i)perylene	LCS					NS
Benzo(a)pyrene	LCS					NS
Benzoic acid	LCS					NS
Benzyl alcohol	LCS					NS

**Table B-15**  
**(Continued)**

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	No. Above Limits	Range of Mean Recoveries	QC Limits RPD %
bis(2-Chloroethoxy)methane	LCS					NS
bis(2-Chloroethyl)ether	LCS					NS
bis(2-Chloroisopropyl)ether	LCS					NS
bis(2-Ethylhexyl)phthalate	LCS					NS
4-Bromophenyl phenyl ether	LCS					NS
Butylbenzylphthalate	LCS					NS
4-Chloroaniline	LCS					NS
4-Chloro-3-methylphenol	LCS					NS
	MS					50
2-Chloronaphthalene	LCS					NS
4-Chlorophenyl phenyl ether	LCS					NS
2-Chlorophenol	LCS					NS
	MS					50
Chrysene	LCS					NS
Dibenzo(a,h)anthracene	LCS					NS
Dibenzofuran	LCS					NS
Di-n-butylphthalate	LCS					NS
1,2-Dichlorobenzene	LCS					NS
1,3-Dichlorobenzene	LCS					NS
1,4-Dichlorobenzene	LCS					NS
	MS					50
3,3'-Dichlorobenzidine	LCS					NS
2,4-Dichlorophenol	LCS					NS
Diethylphthalate	LCS					NS
2,4-Dimethylphenol	LCS					NS
Dimethylphthalate	LCS					NS
4,6-Dinitro-2-methylphenol	LCS					NS
2,4-Dinitrophenol	LCS					NS
2,4-Dinitrotoluene	LCS					NS

Table B-15

(Continued)

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	No. Above Limits	Range of Mean Recoveries	QC Limits RPD %
	MS					50
4,6-Dinitrotoluene	LCS					NS
Di-n-octylphthalate	LCS					NS
Fluoranthene	LCS					NS
Fluorene	LCS					NS
Hexachlorobenzene	LCS					NS
Hexachlorobutadiene	LCS					NS
Hexachlorocyclopentadiene	LCS					NS
Hexachloroethane	LCS					NS
Indeno(1,2,3)pyrene	LCS					NS
Isophorone	LCS					NS
2-Methylnaphthalene	LCS					NS
2-Methylphenol	LCS					NS
4-Methylphenol	LCS					NS
Naphthalene	LCS					NS
2-Nitroaniline	LCS					NS
3-Nitroaniline	LCS					NS
4-Nitroaniline	LCS					NS
Nitrobenzene	LCS					NS
2-Nitrophenol	LCS					NS
4-Nitrophenol	LCS					NS
	MS					50
n-Nitrosodiphenylamine	LCS					NS
n-Nitrosodipropylamine	LCS					NS
	MS					50
Pentachlorophenol	LCS					NS
	MS					50
Phenanthrene	LCS					NS

**Table B-15**  
**(Continued)**

Method/ Analyte	Type of Dup.	No. of Dups.	Mean RPD %	No. Above Limits	Range of Mean Recoveries	QC Limits RPD %
Phenol	LCS					NS
	MS					50
Pyrene	LCS					NS
	MS					50
1,2,4-Trichlorobenzene	LCS					NS
	MS					50
2,4,5-Trichlorophenol	LCS					NS
2,4,6-Trichlorophenol	LCS					NS
<b>SW8310 - Polynuclear Aromatic Hydrocarbons</b>						
						50

NS = Not specified. QC limits have not been specified by the method or laboratory for this analyte.

a Mean RPD - Calculated mean for all duplicate pairs for each analyte.

b Range of Mean Recoveries - Range of individual means based on % recoveries for LCS and matrix spiked sample pairs.

## **6.0**

## **QC RESULTS FOR 1993 GROUND WATER SAMPLE ANALYSES**

Quality control procedures and activities implemented during this program provide a basis for estimating data precision and accuracy. QC procedures associated with investigative groundwater samples included the analysis of field and laboratory blanks, matrix and surrogate spikes, laboratory control samples, and analytical, matrix spike, and field duplicates. Results of these analyses are discussed in this section. Detailed listings of the QC results for the 1993 sampling and analysis program are presented in Attachment B.

### **6.1**

#### **Total Dissolved Solids**

Filterable residue (also known as total dissolved solids or TDS) in water is determined using U.S. EPA Method 160.1. In this gravimetric method, the sample is filtered, transferred to a pre-weighed evaporating dish, and evaporated to dryness at 180°C. The sample is cooled, and then weighed; the drying cycle is repeated until a constant weight is obtained.

#### **6.1.1**

##### **Blanks**

Nine method blanks were analyzed for total dissolved solids using EPA Method 160.1. Low levels of TDS were found in six of the method blanks at concentrations ranging from 3 to 8 mg/L compared to the method reporting limits at 10 mg/L. The associated sample results were at least 10 to 20 times higher than the amount found in the blanks, therefore, no corrective action was required.

#### **6.1.2**

##### **Spikes**

A total of nine LCS pairs were analyzed to evaluate method accuracy for EPA Method 160.1. The mean recovery for these analyses was 103.7% with a

standard deviation of 2.47. These results are well within the 80-120% recovery objectives and indicate that good accuracy was achieved for this method.

### **6.1.3 Duplicates**

The precision estimate for TDS is based on the analysis of eight LCS and five analytical duplicate pairs. The mean RPD for the LCS pairs was 2.28% and the mean RPD for the analytical duplicates was 1.36% which shows that good precision was achieved for these analyses.

## **6.2 Total suspended Solids**

Non-filterable residue (TSS) in water is determined using U.S. EPA Method 160.2. In this gravimetric method, a well mixed portion of the sample is filtered through a dried, pre-weighed glass fiber filter (0.8  $\mu\text{m}$  Whatman 934AH) and dried at 105°C in an oven. The sample is cooled, and then weighed; the drying cycle is repeated until a constant weight is obtained.

### **6.2.1 Blanks**

Three method blanks were analyzed for total suspended solids using EPA Method 160.2. No analytical contamination was indicated in any of the method blank analyses. All method blank results were reported as "<DL" or "ND".

### **6.2.2 Spikes**

A total of three LCS pairs were analyzed by EPA Method 160.2 to evaluate method accuracy. The mean recovery for these analyses was 87.8% with a standard deviation of 14.74. These results are well within the 80-120% recovery objectives and indicate that good accuracy was achieved for this method. A summary

of LCS results is presented in Table B-17.

### **6.2.3 Duplicates**

The precision estimate for TSS is based on the analysis of three LCS pairs and two analytical duplicates. The mean RPD for the LCS pairs was 18.8% and the mean RPD for the duplicate analyses could not be calculated since the results for the samples were all below the reporting limits (10 mg/L). These precision estimates and the individual RPDs except for one LCS pair were within the project stated objectives of a RPD  $\leq$  20 percent.

### **6.3 E300.0 - Anions (Cl and SO<sub>4</sub>)**

Water samples are analyzed for chloride, and sulfate anions by ion chromatography using U.S. EPA Method 300.0. Ion chromatography is a rapid method for separating and analyzing complex solutions of ionic species. The technique employs a carbonate/bicarbonate eluent and ion exchange resins to separate individual ions, and a suppressor column to remove the eluent ions. The detection and quantitation of the anions is performed conductimetrically.

#### **6.3.1 Blanks**

Two method blanks were analyzed for chloride and sulfate by EPA Method 300.0. Table B-16 presents a summary of the results for the blank analyses. No chloride or sulfate were detected in any of the method blank analyzed with the project samples.

#### **6.3.2 Spikes**

Two laboratory control sample pairs (LCS/LCSDs) were analyzed by

EPA 300.0 for chloride and sulfate to assess method accuracy. All mean (chloride - 101.8%, SO<sub>4</sub> - 97.8%) and individual LCS/LCSD recoveries were within acceptance criteria for the method (90-110%). Two MS/MSD pairs were analyzed for chloride and sulfate to assess the method accuracy in the groundwater matrix. All mean MS/MSD (Cl - 101.0%, SO<sub>4</sub> - 94.8%) and individual recoveries were within the project objectives of 75-125 percent. Table B-17 summarizes results for the LCS/LCSD analyzed with the water samples and Table B-18 summarizes the results of the MS/MSD pairs.

### **6.3.3 Duplicates**

Precision estimates for anions analyzed by Method EPA 300.0 were based on the analysis of two LCS pairs and two matrix spiked pairs. The mean RPDs for the LCS pairs were 0.49% (Cl) and 0.50% (SO<sub>4</sub>), and the mean RPDS for the matrix spiked pairs were 0.99% (Cl) and 0.48% (SO<sub>4</sub>). The laboratory stated precision objectives of RPD ≤ 20 percent were met for both anions analyzed by method EPA 300.0. Table B-20 provides a summary of the precision estimates for the water samples.

### **6.4 EPA 353.1 - Nitrate/Nitrite**

This method determines nitrate plus nitrite concentrations by hydrazine reduction. Nitrate is reduced to nitrite with hydrazine sulfate and the nitrite (combination of original nitrite plus reduced nitrate) is determined by diazotizing with sulfanilamide under acidic conditions and coupling with N-(1-naphthyl)-ethylenediamine dihydrochloride to form a highly colored azo dye which is measured colorimetrically at 529 nm.



#### **6.4.1 Blanks**

Four method blanks were analyzed for nitrate-nitrite by EPA Method 353.1. Low levels of nitrate-nitrite were found in three of the four blanks at concentrations ranging from 0.0001 to 0.0019 mg/L. The level of nitrate-nitrite detected in the blanks was at or below the project reporting limits of 0.05 mg/L. Table B-16 presents a summary of the results for the blank analyses.

#### **6.4.2 Spikes**

Three laboratory control sample pairs (LCS/LCSDs) were analyzed by EPA 353.1 for nitrate-nitrite to assess method accuracy. The mean ( $99.8 \pm 1.60\%$ ) and all individual LCS/LCSD recoveries were within the project objectives for the method (85-115%). Four MS/MSD pairs were analyzed to assess the method accuracy with the groundwater matrix. The mean MS/MSD ( $85.1 \pm 6.33\%$ ) and all individual recoveries except for two were within the project objectives of 80-120 percent. Table B-17 summarizes results for the LCS/LCSD analyzed with the water samples and Table B-18 summarizes the results of the MS/MSD pairs.

#### **6.4.3 Duplicates**

Precision estimates for nitrate/nitrite analyzed by Method EPA 353.2 were calculated as the mean RPD based on the analysis of four LCS pairs. The mean RPD for the LCS pairs was 0.50, all individual RPDs were within the laboratory stated precision objectives of  $RPD \leq 20$  percent. Precision estimates based on the analysis of four matrix spiked sample pairs showed similar results with a mean RPD of 1.51. These results indicate that acceptable precision was achieved for the method. Table B-20 provides a summary of the precision estimates for the water samples.

## **6.5**

### **SW6010 - Metals**

Groundwater samples were analyzed to determine the concentrations of 23 (less boron and silicon) elements. Groundwater samples were prepared according to SW3005. The metals concentrations were determined by SW6010 which allows the simultaneous, or sequential, measurement of elements using Inductively Coupled Plasma Emission Spectroscopy (ICPES). This method measures the emitted light of each element by optical spectrometry. Samples are nebulized, and the resulting aerosol is transported to the plasma torch. Element specific atomic-line emission spectra are produced which are dispersed by a grating spectrometer. Intensities of the lines are monitored by photomultiplier tubes.

#### **6.5.1**

##### **Blanks**

Eleven method blanks and two equipment blanks associated with project water samples were analyzed for 23 metallic analytes by SW6010. Table B-16 presents a summary of the results for the blank analyses. Low levels of the target metals were found in one or more of the method and equipment blanks analyzed. However, except for calcium and sodium in one equipment blank, none of the metals were found in concentrations that exceeded the stated reporting limits in the QAPP.

#### **6.5.2**

##### **Spikes**

Fourteen laboratory control sample pairs (LCS/LCSDs) were analyzed by SW6010 with the water samples to assess method accuracy. All mean (% Rec. from 93.7 to 100.1%) and individual LCS/LCSD recoveries were within acceptance criteria for the method (80-120%). Eight MS/MSD pairs were analyzed to assess the method accuracy for the water matrices. All mean (% Rec. from 92.7 to 119.6%) MS/MSD recoveries were within the project acceptance criteria of 75-125 percent. Four recoveries for calcium and sodium were above the QC limits. Generally, since

the LCS recoveries and the majority of MS/MSD recoveries were within QC criteria, acceptable method accuracy is indicated for all metals. Table B-17 summarizes results for the LCS/LCSD analyzed with the water samples.

### **6.5.3 Duplicates**

Precision estimates for metals analyzed by Method SW6010 were calculated as the mean RPDs based on the analysis of 14 LCS pairs. Mean RPDs ranged from 0.51% to 2.46%, all well within the laboratory stated precision objectives of  $RPD \leq 20$  percent. Precision estimates based on the analysis of eight matrix spiked sample pairs showed mean RPDs ranging from 0.39% to 10.8 percent. Calcium was the only element with a individual RPD above the precision objectives. Overall, SW6010 indicates that acceptable precision was achieved for all metals analyzed by method SW6010. Table B-20 provides a summary of the precision estimates for the water samples.

## **6.6 SW7060 - Arsenic**

Groundwater samples were analyzed by SW7060 to determine the concentrations of arsenic. In this method, a sample aliquot is placed in a graphite tube in the furnace, evaporated, charred, and atomized. Radiation from a given excited element is passed through the vapor containing ground-state atoms of arsenic. The intensity of the radiation decreases in proportion to the amount of ground-state atoms present. A monochromator isolates the characteristic radiation from the hollow cathode tube or electrodeless discharge lamp, and a photosensitive device measures the attenuated transmitted radiation.

### **6.6.1 Blanks**

Two equipment blanks and 10 method blanks were analyzed by SW7060

to assess potential arsenic contamination. No arsenic was found in any of the blank analyses which shows that no arsenic contamination was contributed during sample collection or analysis. Table B-16 presents a summary of blank results.

#### **6.6.2        Spikes**

Eighteen LCS/LCSD samples were analyzed for arsenic by SW7060 to assess method accuracy. Reported recoveries were within the project acceptance criteria (85-115%). The mean LCS recovery was 98.7 % with a standard deviation of 5.32 which overall indicates acceptable method accuracy. Seven samples were also analyzed as MS/MSD pairs to assess the effects of the sample matrix on method accuracy. All MS/MSD spiked pairs showed recoveries ( $107.1\% \pm 13.27$ ) which were within the project objectives of 75-125 percent. A summary of the LCS results are presented in Table B-17 and the MS/MSD results are summarized in Table B-18.

#### **6.6.3        Duplicates**

Precision estimates for arsenic analyses by Method SW7060 were calculated based on the recovery of LCS duplicated and MS/MSD pairs. The mean RPD based on the analysis of nine LCS duplicates was 1.58%, and the mean RPD based on seven MS/MSD pairs was 1.14 percent. These results show acceptable method precision and meet the laboratory precision objective of  $RPD \leq 20$  percent. Precision estimates are presented in Table B-20.

#### **6.7            SW7421 - Lead**

Groundwater samples were analyzed by Method SW7421 to determine the concentrations of lead. In this method, a sample aliquot is placed in a graphite tube in the furnace, evaporated, charred, and atomized. Radiation from a given excited element is passed through the vapor containing ground-state atoms of lead.

The intensity of the radiation decreases in proportion to the amount of ground-state atoms present. A monochromator isolates the characteristic radiation from the hollow cathode tube or electrodeless discharge lamp, and a photosensitive device measures the attenuated transmitted radiation.

#### **6.7.1       Blanks**

Two equipment blanks and 11 method blanks were analyzed by SW7421 to assess potential lead contamination. No lead was found at a level above the QAPP stated reporting limits in any of the method blanks or equipment blanks analyzed. Table B-16 presents a summary of blank results for the lead analyses..

#### **6.7.2       Spikes**

Ten LCS/LCSD pairs were analyzed for lead by SW7421 to assess method accuracy. The mean recovery and all individual recoveries were within the project stated objectives (75-125%). The mean LCS recovery was 99.8% with a standard deviation of 3.06 which overall indicates acceptable method accuracy. Seven samples were also analyzed as MS/MSD pairs to assess the effects of the sample matrix on method accuracy. The mean MS recovery was 93.1 with a standard deviation of 15.48, indicating that acceptable accuracy was achieved for the groundwater matrix. A summary of the LCS results is presented in Table B-17 and the MS/MSD results are summarized in Table B-18.

#### **6.7.3       Duplicates**

Ten LCS duplicate pairs and thirteen matrix spiked duplicates were analyzed by Method SW7421 to estimate precision for the lead analyses. The mean RPD was 2.31% for the LCS pairs and 11.4% for the MS/MSD pairs. These results show acceptable method precision and meet the laboratory objective of an RPD of

≤20 percent. Precision estimates are presented in Table B-20.

## **6.8            SW7470 - Mercury**

Water samples were prepared as directed in SW7470 and analyzed by the cold vapor atomic absorption spectrometry (CVAA) technique. During preparation, mercury in the sample is reduced to the elemental state. An aliquot of the prepared sample is then aerated from solution in a closed system. The mercury vapor passes through a cell positioned in the light path of an atomic absorption spectrometer.

### **6.8.1           Blanks**

Two equipment blanks and ten method blanks were analyzed by SW7470 to assess potential mercury contamination. Low levels of mercury (0.00002 to 0.00019 mg/L) were found in one of the equipment blanks and five of the method blanks. A similar low level of mercury background may be expected in the investigative samples.

### **6.8.2           Spikes**

Twenty LCS/LCSD samples were analyzed for mercury by SW7470 to assess method accuracy. The mean LCS recovery was 105.3% with a standard deviation of 2.99, which indicates good accuracy was achieved for the method. Six samples were analyzed as MS/MSD pairs to assess the effects of the sample matrix on method accuracy. The mean recovery for the MS/MSD pairs was 95.1% with a standard deviation of 2.78. All of the matrix spike results were within the 75-125% recovery objectives. A summary of the LCS results are presented in Table B-17 and the MS/MSD results are summarized in Table B-18.

### **6.8.3 Duplicates**

Precision estimates for groundwater samples analyzed for mercury by Method SW7470 were based on the analysis of 11 LCS duplicate pairs and 11 MS/MSD pairs. The mean RPD for the LCS pairs was 2.55% and the mean RPD for the MS/MSD pairs was 3.33 percent. Both precision estimates were both well within the stated laboratory precision objectives of  $RPD \leq 20$  percent. Precision estimates are presented in Table B-20.

### **6.9 SW7740 - Selenium**

Groundwater samples were analyzed by SW7740 to determine the concentrations of selenium. In this method, a sample aliquot is placed in a graphite tube in the furnace, evaporated, charred, and atomized. Radiation from a given excited element is passed through the vapor containing ground-state atoms of selenium. The intensity of the radiation decreases in proportion to the amount of ground-state atoms present. A monochromator isolates the characteristic radiation from the hollow cathode tube or electrodeless discharge lamp, and a photosensitive device measures the attenuated transmitted radiation.

#### **6.9.1 Blanks**

Two equipment blanks and 11 method blanks were analyzed by SW7740 to assess potential selenium contamination. No selenium was found in any of the blank analyses which shows that no selenium contamination was contributed during sample collection or analysis. Table B-16 presents a summary of blank results.

#### **6.9.2 Spikes**

Twenty-four LCS/LCSD samples were analyzed for selenium by

SW7740 to assess method accuracy. Reported recoveries were within the project acceptance criteria (75-125%). The mean LCS recovery was 93.6% with a standard deviation of 6.53 which indicates acceptable method accuracy. In addition, six samples were analyzed as MS/MSD pairs to assess the effects of the sample matrix on method accuracy. The mean recovery for the MS/MSD pairs was 89.8% with a standard deviation of 7.53. All of the results were within the stated project recovery objectives. A summary of the LCS results are presented in Table B-17 and the MS/MSD results are summarized in Table B-18.

### **6.9.3 Duplicates**

Precision estimates for the selenium analyses by Method SW7740 are based on the analysis of 12 LCS and 13 MS/MSD duplicates. The mean RPD for the LCS pairs was 2.48% and the mean RPD based on the MS/MSD pairs was 3.12 percent. Both precision estimates were well within the laboratory stated objectives of  $RPD \leq 20$  percent. A summary of the precision estimates is presented in Table B-20.

## **6.10 SW8010 - Halogenated Volatile Organics**

Halogenated volatile organics in water and soil samples are analyzed using Method SW8010. This method is a purge-and-trap (SW5030) gas chromatographic method. An inert gas is bubbled through a water matrix to transfer the volatile halocarbons from the liquid to the vapor phase. The volatile compounds are removed from the inert gas by passing it through a sorbent trap, which is then backflushed onto a gas chromatographic column with an electrolytic conductivity detector to separate and quantify the compounds of interest.

### **6.10.1 Blanks**

Two equipment blanks, 18 trip blanks, 14 ambient conditions blanks



and 23 method blanks were analyzed according to SW8010 to assess potential contamination of the sampling and analytical system with halogenated volatile organics. Methylene chloride and chloroform were found in two equipment blanks, trip blanks and ambient blanks at concentrations greater than 3 times the reporting limits. 1,1,1-Trichloroethene was also found in one equipment blank, three trip blanks and two ambient blanks at less than three times the reporting limit. 1,1,2,2-Tetrachloroethane, trichloroethane, and trichlorofluoromethane were detected in more than one of the trip blanks. 1,1,2,2-Tetrachloroethane was the only compound in the method blanks during the primary analyses.

#### **6.10.2        Spikes**

To assess method accuracy, 19 LCS pairs were analyzed according to SW8010. Acceptable method accuracy was indicated by mean recoveries (mean recoveries 76.4 to 121.2 %) and all individual recoveries for each target analyte within the SAP stated recovery objectives. Twelve MS/MSD pairs were analyzed to assess the matrix effects on method accuracy. Good accuracy was also shown with all mean and individual MS/MSD recoveries within acceptance criteria. LCS and matrix spikes were also spiked with two surrogate compounds, 1-bromo-4-fluorobenzene and bromochloromethane, to assess extraction and analytical accuracy. All reported surrogate spike recoveries were within the stated recovery objectives. These results indicate acceptable analytical control. Summaries of spike results are presented in Tables B-17 through B-19.

#### **6.10.3        Duplicates**

Nineteen LCS pairs were analyzed by method SW8010 to estimate method precision. The mean RPD for the SW8010 analytes ranged from 3.03% to 10.2 percent. Eleven MS/MSD pairs were also analyzed during the program. The mean RPDs for these samples ranged from 4.42% to 7.90 percent. These results

indicate that good precision was achieved with this method. Precision estimates for the SW8010 method are given in Table B-20.

#### **6.11      SW8015 - Nonhalogenated Volatile Organics**

Petroleum hydrocarbons including BTEX, diesel, gasoline, and jet fuel can be analyzed by a modification of Method SW8015. Water samples are analyzed for purgeable TPH/BTEX using the purge and trap method described in Method SW5030. Final detection and quantitation is by gas chromatography using a photoionization detector (PID) for volatile aromatics and a flame ionization detector (FID) for gasoline.

##### **6.11.1      Blanks**

Two equipment blanks, 18 trip blanks, 13 ambient conditions blanks and eight method blanks were analyzed according to SW8015 to assess potential sampling and analytical contamination with nonhalogenated volatile organics. MEK was found in one trip blank and MIBK was found in two method blanks and one trip blank. Table B-16 summarizes the blank results.

##### **6.11.2      Spikes**

A total of eight LCS pairs were analyzed according to Method SW8015 to assess method accuracy. Acceptable recoveries were indicated by mean recoveries ranging from 97.7% to 101.6%, all within SAP acceptance criteria. A total of eight MS/MSD pairs were analyzed to assess matrix effects on method accuracy. Good accuracy was also shown with all mean MS/MSD recoveries being within acceptance criteria. LCS and MS/MSD pairs were also spiked with one surrogate compound, 2-butanol, to assess extraction and analytical efficiency. Mean recoveries for the

surrogate spikes were all well within the acceptance criteria. These results indicate acceptable analytical accuracy was achieved for this method for the groundwater samples. Summaries of the spike results are presented in Tables B-17 through B-19.

### **6.11.3 Duplicates**

Eight LCS pairs were analyzed by Method SW8015 to estimate method precision. The mean RPDs for the SW8015 analytes ranged from 1.70% to 2.02% percent. Eight MS/MSD pairs were also analyzed during the program. The mean RPDs for these samples ranged from 0.91% to 1.65 percent. These results indicate that excellent precision was achieved with this method. Precision estimates for the SW8015 method are given in Table B-20.

## **6.12 Alaska Methods - Gasoline Range Organics and Diesel Range Organics**

The Alaska Method for diesel range organics (DRO) is designed to measure the concentration of DRO, C-10 through C-28 (boiling range 170°C - 430°C), in water and soil. Samples are extracted with methylene chloride and the extract is dried and concentrated in hexane. The extract is analyzed by injection onto the capillary column of a gas chromatograph equipped with a flame ionization detector (FID). Quantitation is performed by comparing the total chromatographic area between n-C10 and n-C28, including resolved and unresolved components, to the response of a calibration standard.

The Alaska Method for gasoline range organics (GRO) was used to measure the concentration of GRO, C-6 through C-10 (boiling range 60°C - 170°C), in water and soil. Water samples are analyzed directly by purge-and-trap gas chromatography (FID/PID). Soil samples are extracted into methanol and a portion of the methanol extract is analyzed by purge-and-trap GC. Quantification is based on a direct comparison of the area within the range of 2-methyl pentane and 1,2,4-

trimethylbenzene.

#### **6.12.1 Blanks**

Two equipment blanks and thirteen method blanks were analyzed for DRO and two equipment blanks, 18 ambient blanks, 12 trip blanks, and 18 method blanks were analyzed for GRO according to the Alaska Methods to assess potential sampling and analytical contamination. Low levels of organics at concentrations below the method detection limits were found in the were found in most of the blanks analyzed for DRO and GRO. GRO was found in one equipment blank at a concentration above the reporting limit. Table B-16 summarizes the blank results.

#### **6.12.2 Spikes**

Thirteen LCS pairs were analyzed for DRO and 12 LCS pairs were analyzed for GRO by the Alaska Methods. Acceptable method accuracy was achieved for both DRO and GRO (DRO - 91.6 % rec., GRO - 104.0 % rec.). Eleven MS/MSD pairs were analyzed for GRO and eight MS/MSD pairs were analyzed for DRO to assess matrix effects on method accuracy. Good accuracy was also shown with all mean MS/MSD recoveries (GRO - 91.5%, DRO - 104.7%) and individual recoveries being within the acceptance criteria. Summaries of the spike results are presented in Tables B-17 and B-18.

#### **6.12.3 Duplicates**

Precision estimates for groundwater samples analyzed for DRO and GRO are based on the analysis of 13 LCS pairs for DRO and 12 LCS pairs for GRO. The mean RPD for the DRO LCS pairs was 8.05% and the mean RPD for the GRO LCS pairs was 5.11 percent. The mean RPD for DRO based on the eight MS/MSD pairs was 4.54 percent and the mean RPD for GRO based on the 11 MS/MSD pairs

was 3.30 percent. These results indicate good precision was achieved for these samples. The precision estimates are presented in summary form in Table B-20.

### **6.13            SW8020 - Aromatic Volatile Organics**

Aromatic volatile organics in water and soil samples are analyzed using Method SW8020. This method, also known as BTX since the compounds of interest include benzene, toluene, and xylene, is a purge-and-trap gas chromatographic method. An inert gas is bubbled through a water matrix to transfer the volatile aromatic hydrocarbons from the liquid to the vapor phase. The aromatics are removed from the inert gas by passing it through a sorbent trap, which is then backflushed onto a gas chromatographic column with a photoionization detector to separate and quantify the compounds of interest.

#### **6.13.1            Blanks**

Two equipment blanks, 16 trip blanks, 14 ambient conditions blanks and 18 method blanks were analyzed according to SW8020 to assess potential sampling and analytical contamination with aromatic volatile organics. Benzene, dichlorobenzene, ethylbenzene, toluene, xylene, and the dichlorobenzenes were found at low concentrations in the blanks analyzed with the project samples. Benzene, toluene and xylene were found in one equipment blank at concentrations above the method reporting limits.

Benzene was also found in one ambient blank and toluene was found in two trip blanks and one ambient blank at levels above the reporting limit. Table B-16 summarizes the blank results.

#### **6.13.2            Spikes**

A total of 18 LCS pairs were analyzed by SW8020 to assess method

accuracy. The mean recovery for the SW8020 target analytes ranged from 92.1% to 103.2 % and all individual recoveries were within the objectives stated in the SAP indicating acceptable method accuracy. Twelve MS/MSD pairs were analyzed to determine matrix effects on method accuracy. The mean recovery for the MS analytes ranged from 101.4% to 103.7% and all individual recoveries were within the acceptance criteria. Two surrogate compounds, 1-bromo-4-fluorobenzene and trifluorotoluene, were added to the samples to assess the extraction and analytical efficiency. All reported surrogate recoveries were within the stated method requirements. These results indicate acceptable analytical accuracy. Summaries of the spike results are presented in Table B-17 through B-19.

#### **6.13.3 Duplicates**

Eighteen LCS pairs were analyzed by Method SW8020 to estimate method precision. The mean RPD for the SW8020 analytes ranged from 5.15% to 6.83 percent. Twelve MS/MSD pairs were also analyzed by SW8020. The precision estimates based on these samples showed similar variability with mean RPDs ranging from 4.14% to 5.45 percent. Overall, these results indicate that acceptable precision was achieved with this method. Precision estimates for the SW8020 method are given in Table B-20.

#### **6.14 SW8080 - Organochlorine Pesticides and PCBs**

Organochlorine pesticides and polychlorinated biphenyls (PCBs) in water samples are analyzed using Method SW8080. This analytical method involves extraction of the sample with methylene chloride, followed by exchange to hexane and concentration of the extract. The pesticides and PCBs are separated and quantified by gas chromatography using electron capture detection. Both neat and diluted liquids may be analyzed by direct injection on to the chromatographic column.

#### **6.14.1 Blanks**

Low levels of alpha-BHC, delta-BHC, DDD DDE, DDT dieldrin, endosulfan I, endosulfan sulfate, gamma-BHC, and heptachlor epoxide were found in one or more of the blanks analyzed by SW8080. None of these compounds, however, were found at concentrations exceeding the reporting limits. A summary of the blank results is presented in Table B-16.

#### **6.14.2 Spikes**

To assess method accuracy, 22 LCS samples were analyzed according to Method SW8080. Acceptable method accuracy was indicated by mean recoveries for each target analyte within SAP objectives. All individual recoveries for the 8080 analytes were within the stated project objectives except for 1 PCB-1260 spike and 5 PCB-1016 spikes that showed recoveries above the objectives. Three MS/MSD pairs were analyzed to assess matrix effects on method accuracy. Good accuracy was also shown with all mean MS/MSD recoveries within acceptance criteria. However, one individual MS spike showed recoveries below the objectives for the 8080 analytes and three aldrin spikes and one heptachlor spike had recoveries above the project objectives. Each blank, QC sample and groundwater sample was spiked with two surrogate compounds to assess extraction and analytical efficiency. All surrogate recoveries were within criteria for the except for one MS spike with recoveries below the objectives. Overall, these results indicate acceptable analytical accuracy for this method with this matrix. Summaries of the spike results are presented in Tables B-17 to B-19.

#### **6.14.3 Duplicates**

Precision estimates for organochlorine pesticides and PCBs analyzed by method SW8080 were calculated as mean RPDs based on the analysis of 11 LCS

pairs. Mean RPDs ranged from 1.57% to 11.3%, all well within the SAP stated precision objectives of  $RPD \leq 50$  percent. Precision estimates based on the analysis of three matrix spiked sample pairs showed higher variability with mean RPDs ranging from 39.2% to 61.3 percent. The individual RPDs were within the objectives except for one MS/MSD pair which was above the objectives. This MS/MSD pair was reanalyzed and showed RPDs within project precision objectives. Overall, acceptable precision was achieved for this method for the groundwater samples. Precision estimates are presented in Table B-20 for all SW8080 analytes.

#### **6.15      SW8240 - Volatile Organic Compounds**

Volatile, or purgeable, organics in water and soil samples are analyzed using Method SW8240. This method uses a purge-and-trap GC/MS technique. An inert gas is bubbled through the water samples, to transfer the purgeable organic compounds from the liquid to vapor phase. The vapor is then swept through a sorbent trap where the purgeable organics are trapped. The trap is backflushed and heated to desorb the purgeable organics onto a gas chromatographic column where they are separated and then detected with a mass spectrometer.

##### **6.15.1      Blanks**

Three trip blanks, four ambient conditions blanks, and five method blanks were analyzed according to SW8240 to assess potential volatile organic contamination. Acetone was detected in two trip blanks (7.6-37  $\mu\text{g/L}$ ), and two ambient blanks (13-43  $\mu\text{g/L}$ ), and one method blank (0.88  $\mu\text{g/L}$ ). One of the trip blanks and two of the ambient blank were had acetone at concentrations above the reporting limit (10  $\mu\text{g/L}$ ). No other target SW8240 analytes were detected at or above the detection limits in any of the blank analyses. A summary of the blank results is presented in Table B-16.



#### **6.15.2 Spikes**

One LCS pair was analyzed according to SW8240 to assess method accuracy. All target analyte recoveries for the LCS analyses were within SAP acceptance criteria. No MS/MSD analyses were performed for the groundwater samples analyzed by SW8240. Three surrogate spike compounds (1,2-dichloroethane- $d_{14}$ , 1,4-bromofluorobenzene, and toluene- $d_8$ ) were added to each blank, QC sample, and groundwater sample. No surrogate recoveries for the groundwater sample analyses were outside the acceptance criteria. These spike results showed good method accuracy and that the laboratory systems were within the project QC criteria at the time of sample analysis. Summary listings of spike results are presented in Tables B-17 and B-19.

#### **6.15.2 Duplicates**

One duplicate LCS sample was analyzed according to SW8240 to estimate precision. Mean RPDs for the LCS duplicate pairs ranged from 0.99% to 81 percent. These results indicate good precision and meet the SAP precision objectives of  $RPD \leq 50$  percent except for chloroethane and trichlorofluoromethane (note precision estimates were compared to the objectives for the MS/MSD pairs, no objectives were set for the LCS). Precision estimates are presented in Table B-20.

#### **6.16 SW8270 - Semivolatile Organics**

Semivolatile organics, also known as base/neutral and acid extractables, in water samples are analyzed using Method SW8270. These techniques quantitatively determine the concentration of a number of semivolatile organic compounds. Organic compounds are extracted from the sample with methylene chloride at pH greater than 12 to obtain base/neutral extractables. Acid extractable compounds are obtained from the sample by extraction with methylene chloride at pH 2 or less.

Both base/neutral and acid extracts are then concentrated by removal of the methylene chloride through evaporation. Compounds of interest are separated and quantified using a GC/MS.

#### **6.16.1       Blanks**

Two equipment blanks and 15 method blanks were analyzed by SW8270 to assess potential contamination. Except for bis(2-ethylhexyl)phthalate, no semivolatile organic compounds were detected at or above the reporting limits in any of the blanks analyzed with the groundwater samples. Bis(2-ethylhexyl)phthalate, a common laboratory contaminant, was detected in two method blanks and one equipment blank at concentrations above the reporting limits. These results indicate that blank contamination was not a problem with the SW8270 analyses. A summary of blank results is presented in Table B-16.

#### **6.16.2       Spikes**

To assess method accuracy, 16 LCS pairs were analyzed by SW8270. Acceptable accuracy was achieved because none of the mean recoveries were for any of the target analytes were outside SAP specified objectives and all individual recoveries were within the objectives except for two recoveries for dibutylphthalate that were above the criteria. Four MS/MSD pairs were analyzed to estimate matrix effects on method accuracy. Mean recoveries and all individual spike recoveries for the 11 spike compounds were all within the project objectives.

Six surrogate compounds were added to each sample, QC sample, and blank analyzed according to Method SW8270. All calculated mean and individual recoveries were within project objectives. Overall, the SW8270 surrogate recoveries indicated acceptable method accuracy.

### **6.16.3 Duplicates**

Eighteen LCS duplicate pairs and four MS/MSD pairs were analyzed by SW8270 to estimate precision. Mean RPDs for the LCS pairs ranged from 3.09% to 22.1% and mean RPDs for the MS/MSD pairs ranged from 3.05% to 5.36 percent. All precision estimates were within the stated objectives ( $RPD \leq 50\%$ ). Overall, these results indicate good precision was achieved for SW8270. Precision estimates are summarized for each SW8270 analyte in Table B-20.

### **6.17 SW8310 - Polynuclear Aromatic Hydrocarbons**

Method SW8310 is used to determine the concentration of selected PAHs in groundwater and wastes. Method SW8310 uses high performance liquid chromatography (HPLC) for the detection of ug/L levels of PAHs. Samples are analyzed by direct injection. Detection is by ultraviolet and fluorescence detectors.

#### **6.17.1 Blanks**

One equipment blank and three method blanks were analyzed for PAHs by Method SW8310 along with the groundwater samples. No PAH compounds were detected above the reporting limits in any of the blanks analyzed by this method. However, several of the 8310 analytes were found in one or more blanks at concentrations below the reporting limits.

#### **6.17.2 Spikes**

Five LCS were analyzed by SW8310 to assess method accuracy. The mean recoveries for the PAH analytes ranged from 102.2% to 128.8 percent. All mean recoveries were within the objectives listed in the SAP except for dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene with mean recoveries above the

criteria. One matrix spiked sample (the MSD was broken before it was analyzed) was analyzed to determine the effect of the soil matrix on the method accuracy. The recoveries for the MS analyses were similar to those for the LCS and ranged from 88.0% to 127.0 percent. All recoveries were within the acceptance criteria except for dibenzo(a,h)anthracene. A surrogate spike compound, terphenyl-d<sub>14</sub>, was added to each blank, LCS, MS, and field sample to assess the effectiveness of sample extraction and analytical measurement. All surrogates were recovered within the project SAP acceptance criteria. These results indicate acceptable method accuracy.

Summaries of spike results for the groundwater samples are presented in Tables B-17 through B-19.

#### **6.17.3 Duplicates**

Two LCS pairs were analyzed for PAHs by Method SW8310 to estimate method precision. The mean RPDs for these analyses ranged from 5.17% to 28.5 percent. These results are within the project precision objectives for the method (RPD  $\leq$  50%) and indicate that good precision was achieved. Precision estimates for each analyte are presented in Table B-20.

Table B-16

## Summary of Blank Results for Galena Waters - 1993

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
E160.1 TDS	Method	9	6	0	3-8 mg/L	10 mg/L
E160.2 TSS	Method	3	0	0		10 mg/L
E300.0 Chloride	Method	2	0	0		0.2 mg/L
E300.0 Sulfate	Method	2	0	0		0.2 mg/L
E353.1 Nitrate-Nitrite	Method	4	3	0	0.0001-0.0019 mg/L	0.05 mg/L
SW6010 - ICP Metals						
Aluminum	Method	11	8	0	0.0029-0.037 mg/L	0.5 mg/L
	Equipment	2	1	0	0.097 mg/L	
Antimony	Method	11	7	0	0.0029-0.021 mg/L	0.5 mg/L
	Equipment	2	1	0	0.0045 mg/L	
Arsenic	Method	11	4	0	0.002-0.012 mg/L	0.3 mg/L
	Equipment	2	2	0	0.0012-0.01 mg/L	
Barium	Method	11	8	0	0.00019-0.00092 mg/L	0.1 mg/L
	Equipment	2	1	0	0.0023 mg/L	
Beryllium	Method	11	4	0	0.00013-0.00045 mg/L	0.01 mg/L
	Equipment	2	0	0		
Cadmium	Method	11	8	0	0.0008-0.0026 mg/L	0.005 mg/L
	Equipment	2	1	0	0.00019 mg/L	
Calcium	Method	11	11	0	0.0079-0.074 mg/L	1 mg/L
	Equipment	2	2	0	0.063-1.1 mg/L	
Chromium	Method	11	6	0	0.00006-0.0034 mg/L	0.05 mg/L
	Equipment	2	2	0	0.00036-0.0011 mg/L	
Cobalt	Method	11	6	0	0.00058-0.0039 mg/L	0.05 mg/L
	Equipment	2	1	0	0.0002 mg/L	
Copper	Method	11	10	0	0.00092-0.024 mg/L	0.05 mg/L
	Equipment	2	2	0	0.00019-0.0046 mg/L	
Iron	Method	11	10	0	0.0017-0.01 mg/L	0.05 mg/L
	Equipment	2	2	0	0.0068-0.16 mg/L	
Lead	Method	11	8	0	0.0008-0.024 mg/L	0.2 mg/L
	Equipment	2	0	0		
Magnesium	Method	11	8	0	0.00049-0.029 mg/L	1 mg/L
	Equipment	2	1	0	0.1 mg/L	
Manganese	Method	11	4	0	0.00016-0.00056 mg/L	0.02 mg/L
	Equipment	2	2	0	0.0013-0.0098 mg/L	

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Molybdenum	Method	10	3	0	0.001-0.0024 mg/L	0.1 mg/L
	Equipment	2	0	0		
Nickel	Method	11	4	0	0.0012-0.0051 mg/L	0.15 mg/L
	Equipment	2	0	0		
Potassium	Method	11	4	0	0.014-0.38 mg/L	5 mg/L
	Equipment	2	1	0	0.25 mg/L	
Selenium	Method	11	5	0	0.0054-0.040 mg/L	1 mg/L
	Equipment	2	0	0		
Silver	Method	11	5	0	0.00048-0.0023 mg/L	0.05 mg/L
	Equipment	2	1	0	0.00081 mg/L	
Sodium	Method	11	11	0	0.019-0.069 mg/L	1 mg/L
	Equipment	2	2	1	0.06-1.7 mg/L	
Thallium	Method	11	8	0	0.0013-0.021 mg/L	0.4 mg/L
	Equipment	2	1	0	0.0092 mg/L	
Vanadium	Method	11	5	0	0.00013-0.0019 mg/L	0.1 mg/L
	Equipment	2	0	0		
Zinc	Method	11	10	0	0.0004-0.0033 mg/L	0.02 mg/L
	Equipment	2	2	0	0.004-0.0078 mg/L	
GFAAS Metals						
Arsenic - SW7060	Method	10	0	0		0.006 mg/L
	Equipment	2	0	0		
Lead - SW7421	Method	11	5	0	0.0008-0.0029 mg/L	0.005 mg/L
	Equipment	2	2	1	0.0025-0.011 mg/L	
Mercury - SW7470	Method	10	5	0	0.00002-0.00019 mg/L	0.005 mg/L
	Equipment	2	1	0	0.00006 mg/L	
Selenium - SW7740	Method	11	0	0		0.001 mg/L
	Equipment	2	0	0		
SW8010 - Halogenated Volatile Organics						
Bromobenzene	Method	23	0	0		5 ug/L
	Equipment	2	0	0		
	Trip	18	1	0	0.54 µg/L	
	Ambient	14	0	0		

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Bromodichloromethane	Method	23	0	0		1 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	0	0		
Bromoform	Method	23	2	0	0.031-0.094 $\mu\text{g/L}$	2 ug/L
	Equipment	2	0	0		
	Trip	18	1	0	0.3 $\mu\text{g/L}$	
	Ambient	14	0	0		
Bromomethane	Method	23	1	0	0.10 $\mu\text{g/L}$	10 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	0	0		
Carbon Tetrachloride	Method	23	0	0		1.0 ug/L
	Equipment	1	0	0		
	Trip	17	0	0		
	Ambient	13	0	0		
Chlorobenzene	Method	23	0	0		25 ug/L
	Equipment	1	0	0		
	Trip	18	1	0	0.010 $\mu\text{g/L}$	
	Ambient	14	1	0	0.20 $\mu\text{g/L}$	
Chloroethane	Method	23	0	0		5 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	1	0	0.019 $\mu\text{g/L}$	
2-Chloroethylvinyl ether	Method	23	0	0		10 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	0	0		
Chloroform	Method	23	0	0		0.5 ug/L
	Equipment	2	2	2	1.1-1.9 $\mu\text{g/L}$	
	Trip	17	0	0		
	Ambient	14	8	8	0.70-2.2 $\mu\text{g/L}$	

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
1-Chlorohexane	Method	23	1	0	0.017 $\mu\text{g/L}$	5 $\mu\text{g/L}$
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	0	0		
Chloromethane	Method	23	2	0	0.0034-0.022 $\mu\text{g/L}$	1 $\mu\text{g/L}$
	Equipment	2	0	0		
	Trip	18	3	0	0.021-0.055 $\mu\text{g/L}$	
	Ambient	14	0	0		
Dibromochloromethane	Method	23	1	0	0.031 $\mu\text{g/L}$	1 $\mu\text{g/L}$
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	0	0		
Dibromomethane	Method	23	2	0	0.25-0.40 $\mu\text{g/L}$	5 $\mu\text{g/L}$
	Equipment	2	0	0		
	Trip	18	2	0	0.45-0.58 $\mu\text{g/L}$	
	Ambient	14	0	0		
1,2-Dichlorobenzene	Method	23	1	0	0.013 $\mu\text{g/L}$	2 $\mu\text{g/L}$
	Equipment	2	0	0		
	Trip	18	1	0	0.021 $\mu\text{g/L}$	
	Ambient	14	0	0		
1,3-Dichlorobenzene	Method	23	0	0		3 $\mu\text{g/L}$
	Equipment	2	0	0		
	Trip	18	1	0	0.0084 $\mu\text{g/L}$	
	Ambient	14	0	0		
1,4-Dichlorobenzene	Method	23	1	0	0.037 $\mu\text{g/L}$	2 $\mu\text{g/L}$
	Equipment	2	0	0		
	Trip	18	1	0	0.009 $\mu\text{g/L}$	
	Ambient	14	1	0	0.0056 $\mu\text{g/L}$	
1,1-Dichloroethane	Method	23	0	0		1 $\mu\text{g/L}$
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	0	0		



**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
1,2-Dichloroethane	Method	23	0	0		1 μg/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	12	0	0		
1,1-Dichloroethene	Method	23	0	0		1 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	0	0		
trans-1,2-Dichloroethene	Method	23	0	0		1 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	0	0		
1,2-Dichloropropane	Method	23	0	0		1 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	13	1	0	0.0097 μg/L	
cis-1,3-Dichloropropene	Method	23	0	0		5 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	0	0		
trans-1,3-Dichloropropene	Method	23	0	0		3 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	0	0		
Methylene chloride	Method	23	16	0	0.040-0.84 μg/L	2 ug/L
	Equipment	2	2	0	0.90-1.9 μg/L	
	Trip	15	7	0	0.17-0.92 μg/L	
	Ambient	13	9	7	0.0075-6.8 μg/L	
1,1,2,2-Tetrachloroethane	Method	23	2	0	0.011-0.13 μg/L	1 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	0	0		

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Tetrachloroethene	Method	23	0	0		1 ug/L
	Equipment	2	0	0		
	Trip	18	1	0	0.034 μg/L	
	Ambient	13	0	0		
1,1,1,2-Tetrachloroethane	Method	23	0	0		5 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	12	0	0		
1,1,1-Trichloroethane	Method	23	3	0	0.0014-0.23 μg/L	1 ug/L
	Equipment	2	0	0		
	Trip	15	4	0	0.16-0.38 μg/L	
	Ambient	14	7	0	0.015-0.35 μg/L	
1,1,2-Trichloroethane	Method	23	0	0		1 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	0	0		
Trichloroethene	Method	23	1	0	0.0031 μg/L	1 ug/L
	Equipment	2	0	0		
	Trip	17	1	0	0.0012 μg/L	
	Ambient	11	0	0		
Trichlorofluoromethane	Method	23	0	0		1 ug/L
	Equipment	2	0	0		
	Trip	18	2	0	0.0065-0.11 μg/L	
	Ambient	13	0	0		
1,2,3-Trichloropropane	Method	23	1	0	0.026 μg/L	10 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	13	0	0		
Vinyl Chloride	Method	13	0	0		2 ug/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	14	1	0	0.019 μg/L	
Alaska Methods						
DRO - AK102	Method	13	11	0	3-10 μg/L	200 ug/L
	Equipment	2	2	0	9-38 μg/L	

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
GRO -AK101	Method	18	14	0	20-40 µg/L	100 ug/L
	Equipment	2	2	1	29-300 µg/L	
	Trip	12	12	0	18-59 µg/L	
	Ambient	18	18	0	23-45 µg/L	
SW8020 - Aromatic Volatile Organics						
Benzene	Method	18	7	0	0.018-0.027 µg/L	0.4 ug/L
	Equipment	2	2	1	0.83-1.7 µg/L	
	Trip	16	11	0	0.021-0.065 µg/L	
	Ambient	14	9	1	0.036-0.49 µg/L	
Ethylbenzene	Method	18	3	0	0.018-0.035 µg/L	0.30 ug/L
	Equipment	2	2	0	0.079-0.28 µg/L	
	Trip	16	3	0	0.032-0.034 µg/L	
	Ambient	14	7	0	0.023-0.075 µg/L	
Toluene	Method	18	8	0	0.014-0.049 µg/L	0.30 ug/L
	Equipment	2	2	1	0.80-1.6 µg/L	
	Trip	16	16	2	0.028-0.49 µg/L	
	Ambient	13	12	1	0.029-0.4 µg/L	
Total xylenes	Method	18	9	0	0.012-0.12 µg/L	0.50 ug/L
	Equipment	2	2	1	0.25-1.7 µg/L	
	Trip	16	12	0	0.015-0.20 µg/L	
	Ambient	13	11	0	0.028-0.48 µg/L	
Chlorobenzene	Method	16	0	0		2 µg/L
	Equipment	1	0	0		
	Trip	18	1	0	0.030 µg/L	
	Ambient	14	0	0		
1,2-Dichlorobenzene	Method	16	5	0	0.11-0.25 µg/L	4 µg/L
	Equipment	1	0	0		
	Trip	18	1	0	0.029 µg/L	
	Ambient	14	1	0	0.051 µg/L	
1,3-Dichlorobenzene	Method	16	3	0	0.016-0.067 µg/L	4 µg/L
	Equipment	2	0	0		
	Trip	18	10	0	0.020-0.095 µg/L	
	Ambient	14	4	0	0.013-0.039 µg/L	

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
1,4-Dichlorobenzene	Method	16	3	0	0.015-0.11 µg/L	0.5 µg/L
	Equipment	2	0	0		
	Trip	17	1	0	0.020 µg/L	
	Ambient	14	0	0		
SW8015 - Nonhalogenated Volatile Organics						
2-Butanol (MEK)	Method	8	0	0		0.050 mg/L
	Equipment	2	0	0		
	Trip	18	1	0	0.82 mg/L	
	Ambient	13	0	0		
MIBK	Method	8	2	0	0.75-1.7 mg/L	0.050 mg/L
	Equipment	2	0	0		
	Trip	18	1	0	1.7 mg/L	
	Ambient	13	0	0		
Ethanol	Method	8	0	0		0.050 mg/L
	Equipment	2	0	0		
	Trip	18	0	0		
	Ambient	13	0	0		
Ethyl Ether	Method	8	0	0		0.050 mg/L
	Equipment	2	0	0		
	Trip	17	0	0		
	Ambient	13	0	0		
SW8080 - Organochlorine Pesticides and PCBs						
Aldrin	Method	11	0	0		0.04 ug/L
	Equipment	1	0	0		
alpha-BHC	Method	11	0	0		0.03 ug/L
	Equipment	1	0	0	0.016 µg/L	
beta-BHC	Method	11	0	0		0.05 ug/L
	Equipment	1	0	0		
delta-BHC	Method	11	0	0	0.015 µg/L	0.05 ug/L
	Equipment	1	0	0		
Chlordane	Method	10	0	0		0.05 ug/L
	Equipment	1	0	0		
4,4'-DDD	Method	11	0	0	0.026 µg/L	0.1 ug/L
	Equipment	1	0	0	0.089 µg/L	

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
4,4'-DDE	Method	11	0	0	0.006 $\mu$ g/L	0.04 ug/L
	Equipment	1	0	0	0.0089 $\mu$ g/L	
4,4'-DDT	Method	11	0	0		0.1 ug/L
	Equipment	1	0	0	0.0070 $\mu$ g/L	
Dieldrin	Method	11	1	0	0.0098 $\mu$ g/L	0.05 ug/L
	Equipment	1	0	0		
Endosulfan I	Method	11	1	0	0.007 $\mu$ g/L	0.05 ug/L
	Equipment	1	0	0		
Endosulfan II	Method	11	0	0		0.1 ug/L
	Equipment	1	0	0		
Endosulfan sulfate	Method	11	6	0	0.0026-0.0091 $\mu$ g/L	0.1 ug/L
	Equipment	1	0	0		
Endrin	Method	11	0	0		0.06 ug/L
	Equipment	1	0	0		
Endrin aldehyde	Method	11	0	0		0.01 ug/L
	Equipment	1	0	0		
gamma-BHC	Method	11	1	0	0.0014 $\mu$ g/L	0.04 ug/L
	Equipment	1	0	0		
Heptachlor	Method	11	0	0		0.03 ug/L
	Equipment	1	0	0		
Heptachlor epoxide	Method	11	4	0	0.0006-0.021 $\mu$ g/L	0.05 ug/L
	Equipment	1	1	0	0.049 $\mu$ g/L	
Methoxychlor	Method	11	0	0		0.5 ug/L
	Equipment	1	0	0		
PCB-1016	Method	11	0	0		1 ug/L
	Equipment	1	0	0		
PCB-1221	Method	11	0	0		1 ug/L
	Equipment	1	0	0		
PCB-1232	Method	11	0	0		1 ug/L
	Equipment	1	0	0		
PCB-1242	Method	11	0	0		1 ug/L
	Equipment	1	0	0		
PCB-1248	Method	11	0	0		1 ug/L
	Equipment	1	0	0		

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
PCB-1254	Method	11	0	0		1 ug/L
	Equipment	1	0	0		
PCB-1260	Method	11	0	0		1 ug/L
	Equipment	1	0	0		
Toxaphene	Method	11	0	0		2.5 ug/L
	Equipment	1	0	0		
SW8240 - Volatile Organic Compounds						
Acetone	Method	5	1	0	0.88 ug/L	10 μg/L
	Trip	3	2	1	7.6-37 ug/L	
	Ambient	4	2	2	13-43 ug/L	
Benzene	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
Bromodichloromethane	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
Bromoform	Method	5	0	0		5 ug/L
	Trip	4	0	0		
	Ambient	3	0	0		
Bromomethane	Method	5	0	0		10 ug/L
	Trip	4	0	0		
	Ambient	3	0	0		
2-Butanone (MEK)	Method	5	0	0		10 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
Carbon disulfide	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
Carbon tetrachloride	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
Chlorobenzene	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Chloroethane	Method	5	0	0		10 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
2-Chloroethylvinyl ether	Method	5	0	0		10 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
Chloroform	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	1	0		
Chloromethane	Method	5	0	0		10 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
Dibromochloromethane	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
1,1-Dichloroethane	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
1,2-Dichloroethane	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
1,1-Dichloroethene	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
trans-1,2-Dichloroethene	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
1,2-Dichloropropane	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
cis-1,3-Dichloropropene	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
trans-1,3-Dichloropropene	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
Ethylbenzene	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
2-Hexanone	Method	5	0	0		10 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
Methylene chloride	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
4-Methyl-2-pentanone	Method	5	0	0		10 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
Styrene	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
Tetrachloroethene	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
1,1,2,2-Tetrachloroethane	Method	5	0	0		5 ug/L
	Method	3	0	0		
	Ambient	4	0	0		
Toluene	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
1,1,1-Trichloroethane	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
1,1,2-Trichloroethane	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		



**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Trichloroethene	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
Vinyl acetate	Method	5	0	0		5 ug/L
	Trip	3	0	0		
	Ambient	4	0	0		
Vinyl chloride	Method	5	0	0		10 µg/L
	Trip	3	0	0		
	Ambient	4	0	0		
para- & meta-Xylene	Method	5	0	0		10 µg/L
	Trip	3	0	0		
	Ambient	4	0	0		
ortho-Xylene	Method	4	0	0		5 µg/L
	Trip	3	0	0		
	Ambient	4	0	0		
SW8270 - Semivolatile Organic Compounds						
Acenaphthene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Acenaphthylene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Anthracene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Benzo(a)anthracene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Benzo(b)fluoranthene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Benzo(k)fluoranthene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Benzo(g,h,i)perylene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Benzo(a)pyrene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Benzoic acid	Method	15	0	0		50 ug/L
	Equipment	2	0	0		

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
Benzyl alcohol	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
bis(2-Chloroethoxy) methane	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
bis(2-Chloroethyl)ether	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
bis(2-Chloroisopropyl) ether	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
bis(2-Ethylhexyl) phthalate	Method	15	3	2	0.66-12.3 $\mu$ g/L	10 ug/L
	Equipment	2	2	1	0.32-154 $\mu$ g/L	
4-Bromophenyl phenyl ether	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
4-Chloro-3-methyphenol	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
2-Chlorophenol	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Chrysene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Dibenzo(a,h)anthracene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Dibenzo(a,e)pyrene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Dibenzofuran	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Di-n-butylphthalate	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
1,2-Dichlorobenzene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
1,3-Dichlorobenzene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
1,4-Dichlorobenzene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
3,3'-Dichlorobenzidine	Method	15	0	0		20 ug/L
	Equipment	2	0	0		

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
2,4-Dichlorophenol	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Diethylphthalate	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Dimethylphthalate	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
2,6-Dinitro-2-methylphenol	Method	15	0	0		50 ug/L
	Equipment	2	0	0		
2,4-Dinitrophenol	Method	15	0	0		50 ug/L
	Equipment	2	0	0		
2,4-Dinitrotoluene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
2,6-Dinitrotoluene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Di-n-octylphthalate	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Fluoranthene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Fluorene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Hexachlorobenzene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Hexachlorobutadiene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Hexachlorocyclopentadiene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Hexachloroethane	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Indeno(1,2,3)pyrene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Isophorone	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
2-Methylnaphthalene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
2-Methylphenol	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
4-Methylphenol	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Naphthalene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
2-Nitroaniline	Method	15	0	0		50 ug/L
	Equipment	2	0	0		
3-Nitroaniline	Method	15	0	0		50 ug/L
	Equipment	2	0	0		
4-Nitroaniline	Method	15	0	0		50 ug/L
	Equipment	2	0	0		
Nitrobenzene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
2-Nitrophenol	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
4-Nitrophenol	Method	15	0	0		50 ug/L
	Equipment	2	0	0		
n-Nitrosodiphenylamine	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
n-Nitrosodipropylamine	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Pentachlorophenol	Method	15	0	0		30 ug/L
	Equipment	2	0	0		
Phenanthrene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Phenol	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
Pyrene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
1,2,4-Trichlorobenzene	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
2,4,5-Trichlorophenol	Method	15	0	0		50 ug/L
	Equipment	2	0	0		

**Table B-16**  
**(Continued)**

Method/ Analyte	Type of Blank	No. of Blanks	No. of Positive Detects	No. Above Limits	Range of Concentrations	Reporting Limits
2,4,6-Trichlorophenol	Method	15	0	0		10 ug/L
	Equipment	2	0	0		
SW8310 - Polynuclear Aromatic Hydrocarbons						
Acenaphthene	Method	3	1	0	0.50 µg/L	18 µg/L
	Equipment	1	0	0		
Acenaphthylene	Method	3	1	0	0.54 µg/L	23 µg/L
	Equipment	1	0	0		
Anthracene	Method	3	0	0		7 µg/L
	Equipment	1	0	0		
Benzo(a)anthracene	Method	3	1	0	0.0021 µg/L	1 µg/L
	Equipment	1	0	0		
Benzo(a)pyrene	Method	4	3	0	0.0004-0.0095 µg/L	1 µg/L
	Equipment	1	1	0	0.0037 µg/L	
Benzo(b)fluoranthene	Method	4	3	0	0.0017-0.026 µg/L	1 µg/L
	Equipment	1	0	0		
Benzo(g,h,i)perylene	Method	4	2	0	0.0036-0.0071 µg/L	1 µg/L
	Equipment	1	0	0		
Benzo(k)fluoranthene	Method	4	3	0	0.0034-0.0088 µg/L	1 µg/L
	Equipment	1	1	0	0.0039 µg/L	
Chrysene	Method	3	0	0		µg/L
	Equipment	1	0	0		
Dibenzo(a,h)anthracene	Method	3	2	0	0.0015-0.003 µg/L	1 µg/L
	Equipment	1	1	0	0.0011 µg/L	
Fluoranthene	Method	3	1	0	0.019 µg/L	2 µg/L
	Equipment	1	0	0		
Fluorene	Method	4	3	0	0.043-0.1 µg/L	2 µg/L
	Equipment	1	0	0		
Indeno(1,2,3-cd)pyrene	Method	4	3	0	0.0053-0.047 µg/L	1 µg/L
	Equipment	1	1	0	0.064 µg/L	
Naphthalene	Method	4	3	0	0.13-0.51 µg/L	18 µg/L
	Equipment	1	0	0		
Phenanthrene	Method	3	2	0	0.31-0.42µg/L	6 µg/L
	Equipment	1	1	0	0.23 µg/L	
Pyrene	Method	3	0	0		3 ug/L
	Equipment	1	0	0		

**Table B-17**

**Summary of Laboratory Control Sample Results for 1993 Water Samples**

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std Dev	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>E160.1 - TDS</b>						
TDS	18	103.7	2.47	0	0	80-120
<b>E160.2 - TSS</b>						
TSS	6	87.8	14.74	0	0	80-120
<b>E300.0 - Anions</b>						
Chloride	4	101.8	0.30	0	0	90-110
Sulfate	4	97.8	2.06	0	0	90-110
<b>E353.2 - Nitrate-Nitrite</b>						
Nitrate-Nitrite	6	99.8	1.60	0	0	85-115
<b>SW6010 - ICPES Metals</b>						
Aluminum	28	96.5	1.91	0	0	80-120
Antimony	28	94.4	3.57	0	0	80-120
Arsenic	28	95.8	2.70	0	0	80-120
Barium	28	96.6	2.44	0	0	80-120
Beryllium	28	97.5	3.25	0	0	80-120
Cadmium	28	94.3	2.79	0	0	80-120
Calcium	28	100.1	3.34	0	0	80-120
Chromium	28	96.3	2.63	0	0	80-120
Cobalt	28	94.8	3.07	0	0	80-120
Copper	28	96.2	3.03	0	0	80-120
Iron	28	96.5	3.23	0	0	80-120
Lead	28	96.4	3.21	0	0	80-120
Magnesium	28	95.3	2.28	0	0	80-120
Manganese	28	93.7	2.71	0	0	80-120
Molybdenum	28	96.4	2.61	0	0	80-120
Nickel	28	96.4	2.96	0	0	80-120
Potassium	28	96.4	3.48	0	0	80-120
Selenium	28	95.1	3.17	0	0	80-120
Silver	28	94.6	1.85	0	0	80-120
Sodium	28	96.6	2.96	0	0	80-120
Thallium	28	93.7	3.01	0	0	80-120

Table B-17

(Continued)

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std Dev	No. Below Limits	No. Above Limits	QC Limits % Rec.
Vanadium	28	95.9	2.21	0	0	80-120
Zinc	28	94.1	3.30	0	0	80-120
<b>GFAAS Metals</b>						
Arsenic- SW7060	18	98.7	5.32	0	0	75-125
Lead - SW7421	20	99.8	3.06	0	0	75-125
Mercury - SW7470	20	105.3	2.99	0	0	75-125
Selenium - SW7740	24	93.6	6.53	0	0	80-120
<b>SW8010 - Halogenated Volatile Organics</b>						
Bromobenzene	37	104.2	16.1	0	0	NS
Bromodichloromethane	38	90.3	8.19	0	0	42-174
Bromoform	38	79.5	10.97	0	0	13-159
Bromomethane	38	88.7	26.5	0	0	D-144
Carbon Tetrachloride	38	109.1	9.18	0	0	43-143
Chlorobenzene	38	97.3	7.27	0	0	38-150
Chloroethane	38	99.8	10.62	0	0	8-163
2-Chloroethylvinyl ether	38	87.8	30.9	0	0	14-186
Chloroform	38	103.3	7.0	0	0	20-184
1-Chlorohexane	37	109.5	12.57	0	0	NS
Chloromethane	38	76.4	10.22	0	0	D-193
Dibromochloromethane	38	91.9	7.31	0	0	24-191
Dibromomethane	37	88.8	14.86	0	0	NS
1,2-Dichlorobenzene	38	96.2	6.30	0	0	D-208
1,3-Dichlorobenzene	38	94.2	8.85	0	0	7-187
1,4-Dichlorobenzene	38	100.9	6.60	0	0	42-143
1,1-Dichloroethane	38	97.9	6.09	0	0	47-132
1,2-Dichloroethane	38	92.5	8.23	0	0	51-147
1,1-Dichloroethene	38	94.5	11.94	0	0	28-167
cis-1,2-Dichloroethene	9	99.9	5.71	0	0	NS
trans-1,2-Dichloroethene	38	101.7	10.77	0	0	38-155
1,2-Dichloropropane	38	94.2	6.97	0	0	44-145
cis-1,2-Dichloropropene	38	89.8	7.48	0	0	22-178
trans-1,2-Dichloropropene	38	92.6	10.92	0	0	22-178



**Table B-17**  
**(Continued)**

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std Dev	No. Below Limits	No. Above Limits	QC Limits % Rec.
Methylene chloride	16	101.2	18.55	0	0	25-162
1,1,2,2-Tetrachloroethane	38	83.8	8.24	0	0	8-184
Tetrachloroethene	38	110.2	9.55	0	0	26-162
1,1,1,2-Tetrachloroethane	38	97.1	11.06	0	0	NS
1,1,1-Trichloroethane	38	107.1	10.10	0	0	41-138
1,1,2-Trichloroethane	38	87.7	7.40	0	0	39-136
Trichloroethene	38	104.5	7.85	0	0	35-146
Trichlorofluoromethane	38	88.7	10.83	0	0	21-156
1,2,3-Trichloropropane	38	94.0	21.27	0	0	NS
Vinyl chloride	16	121.2	14.59	0	0	28-163
<b>SW8015 - Nonhalogenated Volatile Organics</b>						
Diethyl ether	16	101.4	4.98	0	0	50-150
Ethanol	16	102.5	3.03	0	0	50-150
2-Butanone (MEK)	16	101.6	2.71	0	0	50-150
Methyl isobutyl ketone	16	97.7	3.03	0	0	50-150
<b>SW8020 - Aromatic Volatile Hydrocarbons</b>						
Benzene	36	93.6	6.42	0	0	39-150
Ethylbenzene	36	103.2	6.63	0	0	32-160
Toluene	36	98.8	6.74	0	0	46-148
Total Xylenes	36	99.8	7.33	0	0	61-129
Chlorobenzene	33	97.0	5.83	0	0	55-135
1,2-Dichlorobenzene	33	92.1	6.94	0	0	37-154
1,3-Dichlorobenzene	33	97.2	6.71	0	0	50-141
1,4-Dichlorobenzene	33	92.4	6.64	0	0	42-143
<b>Alaska Methods</b>						
GRO - AK101	24	91.6	70.6	0	0	50-150
DRO - AK102	26	104.0	12.56	0	0	50-150
<b>SW8080 - Organochlorine Pesticides and PCBs</b>						
Aldrin	22	94.0	12.56	0	0	42-122
alpha-BHC	22	100.1	12.49	0	0	37-134
delta-BHC	22	101.7	12.99	0	0	19-140
gamma-BHC	22	99.5	11.33	0	0	32-127



**Table B-17**  
**(Continued)**

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std Dev	No. Below Limits	No. Above Limits	QC Limits % Rec.
alpha-Chlordane	22	104.1	13.46	0	0	NS
gamma-Chlordane	22	97.7	12.72	0	0	NS
4,4'-DDT	22	99.2	13.05	0	0	25-160
Dieldrin	22	96.5	11.65	0	0	36-146
Endosulfan II	22	95.6	13.57	0	0	D-202
Endrin	22	97.9	12.17	0	0	30-147
Endrin aldehyde	22	112.0	16.40	0	0	NS
Heptachlor	22	90.8	11.54	0	0	34-111
Heptachlor epoxide	22	98.2	12.78	0	0	37-142
Mirex	22	103.8	15.34	0	0	NS
PCB-1016	22	100.4	13.16	0	5	50-114
PCB-1260	22	103.1	14.32	0	1	8-127
<b>SW8240 - Volatile Organic Compounds</b>						
Acetone	2	95.5	13.44	0	0	NS
Benzene	2	101.5	2.12	0	0	37-151
Bromodichloromethane	2	100.5	10.61	0	0	35-155
Bromoform	2	94.5	4.95	0	0	45-169
Bromomethane	2	73.0	7.07	0	0	D-242
2-Butanone	2	93.5	0.71	0	0	NS
Carbon disulfide	2	92.0	15.56	0	0	NS
Carbon tetrachloride	2	102.0	7.07	0	0	70-140
Chlorobenzene	2	121.5	4.95	0	0	37-160
Chloroethane	2	105.0	46.67	0	0	NS
2-Chloroethylvinyl ether	2	129.0	16.67	0	0	NS
Chloroform	2	97.5	3.54	0	0	51-138
Chloromethane	2	73.0	4.24	0	0	D-273
Dibromochloromethane	2	100.5	4.95	0	0	53-149
1,1-Dichloroethane	2	100.5	9.19	0	0	59-155
1,2-Dichloroethane	2	101.5	14.85	0	0	49-155
1,1-Dichloroethene	2	89.0	5.66	0	0	D-234
trans-1,2-Dichloroethene	2	97.5	13.44	0	0	54-156
1,2-Dichloropropane	2	103.0	11.31	0	0	D-210

**Table B-17**  
**(Continued)**

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std Dev	No. Below Limits	No. Above Limits	QC Limits % Rec.
cis-1,3-Dichloropropene	2	104.0	7.07	0	0	D-277
trans-1,3-Dichloropropene	2	96.0	5.66	0	0	17-183
Ethylbenzene	2	97.5	3.54	0	0	37-162
2-Hexanone	2	89.0	7.07	0	0	NS
Methylene chloride	2	97.0	9.90	0	0	D-221
4-Methyl-2-pentanone (MIBK)	2	83.0	2.83	0	0	NS
Styrene	2	109.0	5.66	0	0	NS
Tetrachloroethene	2	91.5	3.54	0	0	64-148
1,1,2,2-Tetrachloroethane	2	93.5	4.95	0	0	46-157
Toluene	2	100.5	2.12	0	0	47-150
1,1,1-Trichloroethane	2	97.5	6.26	0	0	52-162
1,1,2-Trichloroethane	2	92.0	4.24	0	0	52-150
Trichloroethene	2	96.5	4.95	0	0	71-157
Trichlorofluoromethane	2	92.5	53.03	0	0	17-181
Vinyl acetate	2	615.0	25.46	0	2	NS
Vinyl chloride	2	67.5	21.9	0	0	D-251
Xylenes (total)	2	101.5	0.71	0	0	55-125
<b>SW8270 - Semivolatile Organic Compounds</b>						
Acenaphthene	36	88.6	4.45	0	0	47-145
Acenaphthylene	36	96.8	5.74	0	0	33-145
Anthracene	36	99.9	6.47	0	0	27-133
Benzo(a)anthracene	36	95.8	5.94	0	0	33-143
Benzo(b)fluoranthene	36	89.5	6.54	0	0	24-159
Benzo(k)fluoranthene	36	98.3	8.78	0	0	11-162
Benzo(g,h,i)perylene	36	101.3	12.90	0	0	D-219
Benzo(a)pyrene	36	88.2	4.83	0	0	17-163
Benzoic acid	34	21.9	9.07	0	0	NS
Benzyl alcohol	34	86.2	6.26	0	0	NS
4-Bromophenyl phenyl ether	36	96.1	6.55	0	0	53-127
Butylbenzylphthalate	36	99.6	8.15	0	0	D-152
4-Chloro-3-methylphenol	36	98.1	5.87	0	0	22-147
4-Chloroaniline	32	94.8	8.45	0	0	NS

Table B-17

(Continued)

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
bis(2-Chloroethyl)ether	36	85.1	8.28	0	0	12-158
bis(2-Chloroethoxy)methane	36	91.6	7.91	0	0	33-184
bis(2-Chloroisopropyl)ether	36	91.4	14.27	0	0	36-166
2-Chloronaphthalene	36	88.6	6.25	0	0	60-118
2-Chlorophenol	36	90.6	6.06	0	0	23-134
4-Chlorophenyl phenyl ether	34	105.0	5.57	0	0	25-158
Chrysene	36	94.1	5.57	0	0	17-168
Di-n-octylphthalate	36	100.7	11.50	0	0	4-146
Dibenzo(a,h)anthracene	36	91.3	9.29	0	0	D-227
Dibenzofuran	34	97.0	4.88	0	0	NS
Dibutylphthalate	36	106.7	11.82	0	2	1-118
1,2-Dichlorobenzene	36	94.9	6.04	0	0	32-129
1,3-Dichlorobenzene	36	90.8	5.70	0	0	D-172
1,4-Dichlorobenzene	36	85.6	5.13	0	0	20-124
3,3'-Dichlorobenzidine	36	134.5	8.73	0	0	D-262
2,4-Dichlorophenol	36	97.1	6.86	0	0	39-135
Diethylphthalate	36	103.9	5.57	0	0	D-114
2,4-Dimethylphenol	34	90.1	6.25	0	0	32-119
Dimethylphthalate	36	98.3	5.67	0	0	D-112
4,6-Dinitro-2-methylphenol	36	112.2	13.72	0	0	D-181
2,4-Dinitrophenol	36	114.8	17.25	0	0	D-191
2,4-Dinitrotoluene	36	97.4	7.20	0	0	39-139
2,6-Dinitrotoluene	36	104.7	7.70	0	0	50-158
bis(2-Ethylhexyl)phthalate	36	95.5	8.24	0	0	8-158
Fluoranthene	36	95.3	6.68	0	0	26-137
Fluorene	36	80.9	3.75	0	0	59-121
Hexachlorobenzene	36	98.7	7.96	0	0	D-152
Hexachlorobutadiene	36	93.9	6.05	0	0	24-116
Hexachlorocyclopentadiene	34	106.9	18.27	0	0	NS
Hexachloroethane	36	91.1	5.64	0	0	40-113
Indeno(1,2,3)pyrene	36	90.4	9.04	0	0	D-171
Isophorone	36	64.7	7.62	0	0	21-196

**Table B-17**  
**(Continued)**

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std Dev	No. Below Limits	No. Above Limits	QC Limits % Rec.
2-Methylnaphthalene	34	111.6	15.51	0	0	NS
2-Methylphenol(o-cresol)	34	82.8	6.97	0	0	NS
4-Methylphenol(p-cresol)	34	70.0	5.33	0	0	NS
Diphenylamine/N-NitrosoDPA	24	81.3	25.75	0	0	NS
N-Nitrosodi-n-propylamine	36	89.4	10.06	0	0	D-230
Naphthalene	36	92.6	5.99	0	0	21-133
2-Nitroaniline	34	100.4	10.63	0	0	NS
3-Nitroaniline	34	99.1	7.91	0	0	NS
4-Nitroaniline	34	100.5	7.08	0	0	NS
Nitrobenzene	36	92.4	7.71	0	0	35-180
2-Nitrophenol	36	100.5	7.15	0	0	29-182
4-Nitrophenol	36	49.7	12.45	0	0	D-132
Pentachlorophenol	36	79.4	10.84	0	0	14-176
Phenanthrene	36	88.6	5.78	0	0	54-120
Phenol	36	46.1	4.31	0	0	5-112
Pyrene	34	92.0	6.45	0	0	52-115
1,2,4-Trichlorobenzene	36	94.6	5.13	0	0	44-142
2,4,5-Trichlorophenol	36	97.2	6.96	0	0	NS
2,4,6-Trichlorophenol	36	77.8	5.38	0	0	37-144
<b>SW8310 - Polynuclear Aromatic Hydrocarbons</b>						
Acenaphthene	5	116.4	25.40	0	2	D-124
Acenaphthylene	5	102.2	22.21	0	0	D-139
Anthracene	5	105.0	15.22	0	0	D-126
Benzo(a)anthracene	5	112.0	5.87	0	0	D-135
Benzo(a)pyrene	5	113.6	11.87	0	0	D-128
Benzo(b)fluoranthene	5	121.0	5.57	0	0	D-150
Benzo(g,h,i)perylene	5	113.0	6.67	0	2	D-116
Benzo(k)fluoranthene	5	120.2	7.40	0	0	D-159
Chrysene	5	110.6	4.98	0	0	D-199
Dibenzo(a,h)anthracene	5	118.0	6.32	0	5	D-110
Fluoranthene	5	120.0	9.19	0	1	D-123
Fluorene	5	109.8	18.95	0	0	D-142

Table B-17

(Continued)

Parameter/ Analyte	No. LCS Analyzed	Mean % Rec.	Std Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
Indeno(1,2,3-cd)pyrene	5	128.8	19.22	0	3	D-116
Naphthalene	5	105.5	25.27	0	1	D-122
Phenanthrene	5	107.2	12.40	0	0	D-155
Pyrene	5	118.6	9.50	0	0	D-140

**Table B-18**

**Summary of Matrix Spiked Sample Results for 1993 Water Samples**

Parameter/ Analyte	No. of Spikes	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>E300.0 - Anions</b>						
Chloride	4	101.0	6.38	0	0	80-120
Sulfate	4	94.8	10.11	0	0	80-120
<b>E353.2 - Nitrate-Nitrite</b>						
Nitrate-Nitrite	8	85.1	6.33	2	0	80-120
<b>SW6010 - ICPES Metals</b>						
Aluminum	16	98.0	1.59	0	0	75-125
Antimony	16	94.3	3.98	0	0	75-125
Arsenic	16	96.0	3.10	0	0	75-125
Barium	16	96.9	2.28	0	0	75-125
Beryllium	16	98.3	2.72	0	0	75-125
Cadmium	16	93.9	1.65	0	0	75-125
Calcium	16	109.7	18.79	0	4	75-125
Chromium	16	94.8	2.54	0	0	75-125
Cobalt	16	93.5	2.92	0	0	75-125
Copper	16	96.1	2.31	0	0	75-125
Iron	16	95.1	3.12	0	0	75-125
Lead	14	92.8	6.85	0	0	75-125
Magnesium	16	103.1	8.64	0	0	75-125
Manganese	16	93.9	3.07	0	0	75-125
Molybdenum	16	92.9	2.57	0	0	75-125
Nickel	16	94.3	2.59	0	0	75-125
Potassium	16	96.4	3.48	0	0	75-125
Selenium	16	93.1	3.60	0	0	75-125
Silver	16	94.6	1.50	0	0	75-125
Sodium	16	119.6	37.36	0	4	75-125
Thallium	16	92.7	3.63	0	0	75-125
Vanadium	16	95.6	2.58	0	0	75-125
Zinc	16	93.1	2.45	0	0	75-125

Table B-18

(Continued)

Parameter/ Analyte	No. of Spikes	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>GFAAS Metals</b>						
Arsenic - SW7060	14	107.1	13.27	0	0	75-125
Lead - SW7421	14	93.1	15.48	0	1	75-125
Mercury - SW7470	12	95.1	2.78	0	0	75-125
Selenium - SW7740	12	89.8	7.53	0	0	75-125
<b>SW8010 - Halogenated Volatile Organics</b>						
Carbon tetrachloride	23	99.2	8.71	0	0	43-143
Chlorobenzene	24	87.6	7.50	0	0	38-150
Dibromochloromethane	23	81.2	10.94	0	0	24-191
1,2-Dichloroethane	23	94.2	7.63	0	0	51-147
1,1-Dichloroethene	23	93.0	11.88	0	0	28-167
trans-1,2-Dichloroethene	23	96.9	9.69	0	0	38-155
1,2-Dichloropropane	23	91.5	6.83	0	0	44-156
1,1,2,2-Tetrachloroethane	23	90.6	7.83	0	0	8-184
Trichloroethene	24	94.5	10.50	0	0	35-146
<b>SW8015 - Nonhalogenated Volatile Organics</b>						
Diethyl ether	16	95.6	7.48	0	0	50-150
Ethanol	16	98.1	2.55	0	0	50-150
2-Butanone(MEK)	16	97.3	2.65	0	0	50-150
Methyl Isobutyl ketone	16	97.3	3.00	0	0	50-150
<b>SW8020 - Aromatic Volatile Hydrocarbons</b>						
Benzene	24	102.8	8.58	0	0	39-150
Ethylbenzene	24	103.7	9.02	0	0	46-148
Toluene	24	101.4	8.30	0	0	32-160
Xylene, Total	24	102.8	9.60	0	0	61-129
<b>Alaska- Methods</b>						
GRO - AK101	22	91.5	11.88	0	0	50-150
DRO - AK102	16	104.7	14.35	0	0	50-150
<b>SW8080 - Organochlorine Pesticides and PCBs</b>						
Aldrin	6	109.5	60.1	1	3	42-122
gamma-BHC	6	77.2	34.0	1	0	32-127



Table B-18

(Continued)

Parameter/ Analyte	No. of Spikes	Mean % Rec.	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
4,4'-DDT	6	76.0	32.9	1	0	25-160
Dieldrin	6	76.2	33.0	1	0	36-146
Endrin	6	91.7	40.0	1	0	30-147
Heptachlor	6	73.5	34.5	1	1	34-111
<b>SW8270 - Semivolatile Organic Compounds</b>						
Acenaphthene	8	80.8	3.28	0	0	47-145
4-Chloro-3-methylphenol	8	83.8	2.66	0	0	22-147
2-Chlorophenol	8	78.4	1.85	0	0	23-134
1,4-Dichlorobenzene	8	77.5	3.85	0	0	20-124
2,4-Dinitrotoluene	8	79.1	3.27	0	0	39-139
N-Nitrosodi-n-propylamine	8	81.1	9.54	0	0	D-230
4-Nitrophenol	8	42.6	13.64	0	0	D-132
Pentachlorophenol	8	74.5	3.74	0	0	14-176
Phenol	8	35.3	1.95	0	0	5-112
Pyrene	8	84.1	6.56	0	0	52-115
1,2,4-Trichlorobenzene	8	86.3	2.87	0	0	44-142
<b>SW8310 - Polynuclear Aromatic Hydrocarbons</b>						
Acenaphthene	1	102.0	NC	0	0	D-124
Acenaphthylene	1	88.0	NC	0	0	D-139
Anthracene	1	111.0	NC	0	0	D-126
Benzo(k)fluoranthene	1	116.0	NC	0	0	D-159
Dibenzo(a,h)anthracene	1	127.0	NC	0	0	D-110
Fluorene	1	104.0	NC	0	0	D-142
Naphthalene	1	93.0	NC	0	0	D-122
Phenanthrene	1	103.0	NC	0	0	D-155



Table B-19

## Summary of Surrogate Recoveries - 1993 Waters

Parameter/Analyte	No. Surrogate Spikes	Mean % Rec	Std. Dev.	No Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW8010 - Halogenated Volatile Organics</b>						
<b>Bromochloromethane</b>						
Normal Samples	52	89.8	10.24	0	0	50-150
Field Dups.	7	89.0	11.96	0	0	50-150
LCS	75	89.7	8.91	0	0	50-150
MS	23	94.8	10.58	0	0	50-150
Method Blanks	22	89.8	8.74	0	0	50-150
Equip. Blanks	2	76.5	0.71	0	0	50-150
Trip Blanks	18	86.8	9.26	0	0	50-150
Ambient Blanks	13	85.5	10.05	0	0	50-150
<b>1-Bromo-4-fluorobenzene</b>						
Normal Samples	52	80.7	13.38	0	0	59-142
Field Dups.	7	83.7	14.27	0	0	59-142
LCS	75	90.5	13.47	0	0	59-142
MS	23	90.8	17.16	0	0	59-142
Method Blanks	22	83.6	11.14	0	0	59-142
Equip. Blanks	2	69.0	1.41	0	0	59-142
Trip Blanks	17	79.9	7.83	0	0	59-142
Ambient Blanks	13	80.5	9.47	0	0	59-142
<b>SW8015 - Nonhalogenated Volatile Hydrocarbons</b>						
<b>1,1-Dichloroethene</b>						
Normal Samples	46	100.9	1.73	0	0	50-150
Field Dups.	6	100.0	1.90	0	0	50-150
LCS	16	99.8	3.26	0	0	50-150
MS	16	98.4	2.22	0	0	50-150
Method Blanks	8	101.8	1.58	0	0	50-150
Equip. Blanks	2	102.0	1.41	0	0	50-150
Trip Blanks	16	101.1	2.17	0	0	50-150
Ambient Blanks	13	101.2	2.15	0	0	50-150

Table B-19

(Continued)

Parameter/Analyte	No. Surrogate Spikes	Mean % Rec	Std. Dev.	No Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW8020 - Aromatic Volatile Hydrocarbons</b>						
<b>1-Bromo-4-fluorobenzene</b>						
Normal Samples	52	96.3	6.86	0	0	74-142
Field Dups	7	96.6	7.61	0	0	74-142
LCS	36	95.9	8.57	0	0	74-142
MS	24	98.0	9.76	0	0	74-142
Method Blanks	17	95.8	9.30	0	0	74-142
Equip. Blanks	2	91.0	1.14	0	0	74-142
Trip Blanks	18	93.1	8.76	0	0	74-142
Ambient Blanks	13	91.7	8.48	0	0	
<b>Trifluorotoluene</b>						
Normal samples	52	113.8	11.36	0	0	50-150
Field Dups.	7	112.9	8.05	0	0	50-150
LCS	36	108.7	10.69	0	0	50-150
MS	24	114.8	8.68	0	0	50-150
Method Blanks	17	108.0	9.23	0	0	50-150
Equip. Blanks	2	107.5	3.54	0	0	50-150
Trip Blanks	18	106.1	10.29	0	0	50-150
Ambient Blanks	13	105.9	7.83	0	0	50-150
<b>SW8080 - Organochlorine Pesticides and PCBs</b>						
<b>Dibutylchloroendate</b>						
Normal Samples	33	120.8	11.40	0	0	24-154
Field Dups	4	115.8	5.32	0	0	24-154
LCS	44	112.5	15.44	0	0	24-154
MS	6	100.5	44.33	1	0	24-154
<b>TCMX</b>						
Normal Samples	33	88.5	9.41	0	0	20-142
Field Dups	4	88.5	9.95	0	0	20-142
LCS	44	79.5	12.13	0	0	20-142
MS	6	74.8	34.2	1	0	20-142

Table B-19

(Continued)

Parameter/Analyte	No. Surrogate Spikes	Mean % Rec	Std. Dev.	No. Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW8240 - Volatile Organics</b>						
<b>1,4-Bromofluorobenzene-d<sub>4</sub></b>						
Normal Samples	1	94.0	NC	0	0	86-115
Field Dups	1	98.0	NC	0	0	86-115
LCS	2	101.5	2.12	0	0	86-115
<b>Toluene-d<sub>8</sub></b>						
Samples	1	99.0	NC	0	0	88-110
Field Dups.	1	98.0	NC	0	0	88-110
LCS	2	102.5	6.36	0	0	88-110
<b>1,2-Dichloroethane-d<sub>4</sub></b>						
Samples	1	109.0	NC	0	0	76-114
Field Dups.	1	101.0	NC	0	0	76-114
LCS	2	109.5	0.71	0	0	76-114
<b>SW8270 - Semivolatile Organics</b>						
<b>2-Fluorobiphenyl</b>						
Normal Samples	47	86.4	5.59	0	0	43-116
Field Dups.	6	88.0	6.16	0	0	42-116
LCS	35	89.3	5.53	0	0	43-116
MS	10	89.4	5.68	0	0	43-116
Method Blanks	16	85.6	3.41	0	0	43-116
Equip. Blanks	4	88.5	1.91	0	0	43-116
<b>2-Fluorophenol</b>						
Normal Samples	47	56.5	5.92	0	0	21-100
Field Dups	6	59.3	5.16	0	0	21-100
LCS	35	63.7	4.39	0	0	21-100
MS	10	58.7	3.47	0	0	21-100
Method Blanks	16	58.6	5.75	0	0	21-100
Equip. Blank	4	61.5	10.28	0	0	21-100

Table B-19

(Continued)

Parameter/Analyte	No. Surrogate Spikes	Mean % Rec	Std. Dev.	No Below Limits	No. Above Limits	QC Limits % Rec.
<b>Nitrobenzene-d<sub>5</sub></b>						
Normal Samples	47	85.1	5.72	0	0	35-114
Field Dups.	6	88.3	2.16	0	0	35-114
LCS	35	92.1	7.19	0	0	35-114
MS	10	89.4	2.37	0	0	35-114
Method Blanks	16	88.4	5.03	0	0	35-114
Equip. Blanks	4	86.0	3.65	0	0	35-114
<b>Phenol-d<sub>5</sub></b>						
Normal Samples	47	38.7	3.49	0	0	10-94
Field Dups.	6	38.7	2.94	0	0	10-94
LCS	35	42.7	3.77	0	0	10-94
MS	10	39.2	2.62	0	0	10-94
Method Blanks	16	38.6	2.76	0	0	10-94
Equip. Blanks	4	41.5	7.77	0	0	10-94
<b>p-Terphenyl-d<sub>4</sub></b>						
Normal Samples	47	92.1	6.48	0	0	33-141
Field Dups.	6	97.7	4.03	0	0	33-141
LCS	35	95.2	6.46	0	0	33-141
MS	10	93.7	7.63	0	0	33-141
Method Blank	16	95.6	6.69	0	0	33-141
Equip. Blank	4	99.0	3.83	0	0	33-141
<b>2,4,6-Tribromophenol</b>						
Normal Samples	47	88.8	11.27	0	0	10-123
Field Dups.	6	89.8	12.66	0	0	10-123
LCS	35	94.4	10.84	0	0	10-123
MS	10	88.9	8.70	0	0	10-123
Method Blanks	16	86.5	10.65	0	0	10-123
Equipment Blanks	4	84.5	11.09	0	0	10-123

**Table B-19**

**(Continued)**

Parameter/Analyte	No. Surrogate Spikes	Mean % Rec	Std. Dev.	No Below Limits	No. Above Limits	QC Limits % Rec.
<b>SW8310 - Polynuclear Aromatic Hydrocarbons</b>						
<b>Terphenyl-d14</b>						
Normal samples	7	102.4	14.06	0	0	22-157
Field Dups.	1	96.0	NC	0	0	22-157
LCS	5	114.6	18.56	0	0	22-157
MS	1	84.0	NC	0	0	22-157
Method Blanks	3	120.7	5.69	0	0	22-157
Equip. Blanks	1	119.0	NC	0	0	22-157

**1994 QA/QC Summary Report**

**REPORT DOCUMENTATION PAGE***Form Approved*  
**OMB No. 0704-0188**

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE January 1995	3. REPORT TYPE AND DATES COVERED Draft Report, January 1995	
4. TITLE AND SUBTITLE  Quality Assurance/Quality Control Summary Report Kalakaket Creek Radio Relay Station and Galena Airport, Alaska			5. FUNDING NUMBERS  C-F41624-94-D-8049-0005	
6. AUTHOR(S)  Radian Corporation				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)  Radian Corporation P.O. Box 201088 8501 N. Mopac Blvd. Austin, Texas 78759			8. PERFORMING ORGANIZATION REPORT NUMBER  95-640-305-08	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)  AFCEE/ESR 8001 Inner Circle, Ste. 2 Brooks AFB, Texas 78235-5328			10. SPONSORING/MONITORING AGENCY REPORT NUMBER	
11. SUPPLEMENTARY NOTES				
12a. DISTRIBUTION/AVAILABILITY STATEMENT  Approved for Public Release Distribution is Unlimited			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words)  The Air Force has conducted analyses of environmental samples at Kalakaket Creek Radio Relay Station and Galena Airport. The quality control (QC) activities associated with these analyses are summarized. The report also provides an evaluation of the QC data based on the analytical data and QC results.				
14. SUBJECT TERMS  Quality Assurance/Quality Control Summary Report Kalakaket Creek Radio Relay Station and Galena Airport, Alaska			15. NUMBER OF PAGES	
			16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT  Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE  Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT  Unclassified	20. LIMITATION OF ABSTRACT  UL	

## **QUALITY ASSURANCE/QUALITY CONTROL SUMMARY REPORT DISCLAIMER**

### **NOTICE**

This report has been prepared for the United States Air Force by Radian Corporation for the purpose of aiding the implementation of a final remedial action plan under the Air Force Installation Restoration Program (IRP). As the report relates to actual or possible releases of potentially hazardous substances, its release prior to an Air Force final decision on remedial action may be in the public's interest. The limited objectives of this report and the ongoing nature of the IRP, along with the evolving knowledge of site conditions and the chemical effects on the environment and health, must be considered when evaluating this report since subsequent facts may become known that may make this report premature or inaccurate. Acceptance of this report in performance of the contract under which it is prepared does not mean that the Air Force adopts the conclusions, recommendations, or other views expressed herein, which are those of the contractor only and do not necessarily reflect the official position of the United States Air Force.

Copies of the final version of this report may be purchased from the following:

Government agencies and their contractors registered with the Defense Technical Information Center (DTIC) should direct requests for copies of this report to the Defense Technical Information Center, Cameron Station, Alexandria, VA 22304-6145.

Non-Government agencies may purchase copies of this document from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161.



## Page

EXECUTIVE SUMMARY .....	ES-1
1 SUMMARY OF QA/QC ACTIVITIES .....	1-1
1.1 Blank Samples .....	1-1
1.1.1 Laboratory Blanks .....	1-1
1.1.2 Equipment Blanks .....	1-1
1.1.3 Trip Blanks .....	1-1
1.2 Duplicate Field Samples .....	1-2
1.3 Matrix and Surrogate Spikes .....	1-2
1.4 Laboratory Control Samples .....	1-2
2 MAXIMUM HOLDING TIMES .....	2-1
3 QUALITY CONTROL RESULTS FOR KALAKAKET CREEK RRS SOIL SAMPLE ANALYSES .....	3-1
3.1 Volatile Organics by SW-846 Method 8240 .....	3-1
3.2 Semivolatile Organics by SW-846 Method 8270 .....	3-2
3.3 Organochlorine Pesticides and Polychlorinated Biphenyls (PCBs) by SW-846 Method 8080 .....	3-3
3.4 Inductively Coupled Plasma Emission Spectroscopy (ICPES) Metals Analyses by SW-846 Method 6010 .....	3-4
3.5 Alaska Method AK101.0 for Gasoline Range Organics (GRO) .....	3-5
3.6 Alaska Method AK102.0 for Diesel Range Organics (DRO) .....	3-6
4 QUALITY CONTROL RESULTS FOR GALENA AIRPORT WATER SAMPLE ANALYSES .....	4-1
4.1 Volatile Organics by SW-846 Method 8260 .....	4-1
4.2 Semivolatile Organics by SW-846 Method 8270 .....	4-2
4.3 Organochlorine Pesticides and Polychlorinated Biphenyls by SW-846 Method 8080 .....	4-3
4.4 Inductively Coupled Plasma Emission Spectroscopy Metals and Analyses .....	4-4
4.5 Furnace Metals Analyses .....	4-5
4.6 Alaska Method AK101.0 for Gasoline Range Organics .....	4-6
4.7 Alaska Method AK102.0 for Diesel Range Organics .....	4-6
4.8 Alkalinity by Standard Methods 403 .....	4-7

5	QUALITY CONTROL RESULTS FOR GALENA AIRPORT SOIL SAMPLE ANALYSES .....	5-1
5.1	Volatile Organics by SW-846 Method 8240 .....	5-1
5.2	Semivolatile Organics by SW-846 Method 8270 .....	5-2
5.3	Dioxins and Furans by SW-846 Method 8280 .....	5-3
5.4	Organochlorine Pesticides and Polychlorinated Biphenyls by SW-846 Method 8080 .....	5-4
5.5	Inductively Coupled Plasma Emission Spectroscopy Metals Analyses .....	5-5
5.6	Alaska Method AK101.0 for Gasoline Range Organics .....	5-6
5.7	Alaska Method AK102.0 for Diesel Range Organics .....	5-7

**LIST OF TABLES**

	<b>Page</b>
3-1 Summary of GC/MS Volatile Blank Results .....	3-8
3-2 Summary of Surrogate Spike Recoveries .....	3-9
3-3 Summary of Matrix Spike and Matrix Spike Duplicate Results .....	3-10
3-4 Summary of GC/MS Purgeable Laboratory Control Sample Recoveries Analyzed with Soil Samples .....	3-11
3-5 Summary of GC/MS Purgeable Laboratory Control Sample Recoveries Analyzed with Water Samples .....	3-12
3-6 Summary of Blank Results .....	3-13
3-7 Summary of Surrogate Spike Recoveries .....	3-14
3-8 Summary of Matrix Spike and Matrix Spike Duplicate Results .....	3-17
3-9 Summary of Laboratory Control Sample Recoveries Analyzed with Soil Samples .....	3-19
3-10 Summary of Laboratory Control Sample Recoveries Analyzed with Water Samples .....	3-21
3-11 Summary of Blank Results .....	3-23
3-12 Summary of Surrogate Spike Recoveries .....	3-24
3-13 Summary of Matrix Spike and Matrix Spike Duplicate Results .....	3-26
3-14 Summary of Laboratory Control Sample Recoveries Analyzed with Soil Samples .....	3-27
3-15 Summary of Laboratory Control Sample Recoveries Analyzed with Water Samples .....	3-28
3-16 Summary of Method Blank Results .....	3-29
3-17 Summary of Metals Results for Method Blanks, Equipment Blanks, and Samples .....	3-33
3-18 Summary of Equipment Blank Results .....	3-34
3-19 Summary of Matrix Spike and Matrix Spike Duplicate Results .....	3-36
3-20 Summary of Solid Laboratory Control Sample Recoveries Analyzed with Soil Samples ..	3-38
3-21 Summary of Liquid Laboratory Control Sample Recoveries .....	3-39

**LIST OF TABLES (Continued)**

	<b>Page</b>
3-22 Summary of AK101 Blank Results . . . . .	3-40
3-23 Summary of Gasoline Range Organics Surrogate Spike Recoveries . . . . .	3-41
3-24 Summary of Matrix Spike and Laboratory Control Sample Results for Gasoline Range Organics . . . . .	3-42
3-25 Summary of AK102 Blank Results . . . . .	3-43
3-26 Summary of Field Sample Results and Surrogate Spike Recoveries for Diesel Range Organics . . . . .	3-44
3-27 Summary of Matrix Spike and Laboratory Control Sample Results for Diesel Range Organics . . . . .	3-45
4-1 Summary of GC/MS Volatile Blank Results . . . . .	4-8
4-2 Summary of Surrogate Spike Recoveries . . . . .	4-10
4-3 Summary of Matrix Spike and Matrix Spike Duplicate Results . . . . .	4-12
4-4 Summary of Laboratory Control Sample Recoveries . . . . .	4-13
4-5 Summary of Field Duplicate Results . . . . .	4-14
4-6 Summary of Semivolatile Blank Results . . . . .	4-16
4-7 Summary of Surrogate Spike Recoveries . . . . .	4-17
4-8 Summary of Matrix Spike and Matrix Spike Duplicate Results . . . . .	4-20
4-9 Summary of GC/MS Semivolatile Laboratory Control Samples Recoveries . . . . .	4-22
4-10 Summary of Field Duplicate Results . . . . .	4-24
4-11 Summary of Organochlorine Pesticide and PCBs Blank Results . . . . .	4-25
4-12 Summary of Surrogate Spike Recoveries . . . . .	4-26
4-13 Summary of Matrix Spike and Matrix Spike Duplicate Results . . . . .	4-28
4-14 Summary of Organochlorine Pesticide and PCB Laboratory Control Sample Recoveries . . . . .	4-29

**LIST OF TABLES (Continued)**

	<b>Page</b>
4-15 Summary of Field Duplicate Results . . . . .	4-30
4-16 Summary of Blank Results . . . . .	4-31
4-17 Summary of Metals Results for Method Blanks and Samples . . . . .	4-34
4-18 Summary of Matrix Spike and Matrix Spike Duplicate Results . . . . .	4-35
4-19 Summary of Laboratory Control Sample Recoveries . . . . .	4-38
4-20 Summary of Field Duplicate Results . . . . .	4-39
4-21 Summary of Furnace Metals Blank Results . . . . .	4-40
4-22 Summary of Furnace Metals Matrix Spike and Matrix Spike Duplicate Results . . . . .	4-41
4-23 Summary of Furnace Metals Laboratory Control Sample Recoveries . . . . .	4-42
4-24 Summary of Field Duplicate Results . . . . .	4-43
4-25 Summary of AK101 Blank Results . . . . .	4-44
4-26 Summary of Gasoline Range Organics Surrogate Spike Recoveries . . . . .	4-45
4-27 Summary of Matrix Spike and Laboratory Control Sample Results for Gasoline Range Organics . . . . .	4-47
4-28 Summary of Gasoline Range Organics Field Duplicate Results . . . . .	4-48
4-29 Summary of AK102 Blank Results . . . . .	4-49
4-30 Summary of Surrogate Spike Recoveries for Diesel Range Organics (DRO) . . . . .	4-50
4-31 Summary of Matrix Spike and Laboratory Control Sample Results for Diesel Range Organics . . . . .	4-52
4-32 Summary of Diesel Range Organics Field Duplicate Results . . . . .	4-53
4-33 Summary of Alkalinity Field Duplicate Results . . . . .	4-54
5-1 Summary of GC/MS Volatile Blank Results . . . . .	5-9
5-2 Summary of GC/MS Volatile Surrogate Spike Recoveries . . . . .	5-10

**LIST OF TABLES (Continued)**

	<b>Page</b>
5-3 Summary of Matrix Spike and Matrix Spike Duplicate Results . . . . .	5-11
5-4 Summary of GC/MS Purgeable Laboratory Control Sample Recoveries . . . . .	5-12
5-5 Summary of Semivolatile Blank Results . . . . .	5-13
5-6 Summary of Surrogate Spike Recoveries . . . . .	5-14
5-7 Summary of Matrix Spike and Matrix Spike Duplicate Results . . . . .	5-15
5-8 Summary of Laboratory Control Sample Recoveries . . . . .	5-16
5-9 Summary of Dioxin and Furan Blank Results . . . . .	5-18
5-10 Summary of Dioxin and Furan Surrogate Spike Recoveries . . . . .	5-19
5-11 Summary of Organochlorine Pesticide and PCBs Blank Results . . . . .	5-24
5-12 Summary of Surrogate Spike Recoveries . . . . .	5-25
5-13 Summary of Matrix Spike and Matrix Spike Duplicate Results . . . . .	5-27
5-14 Summary of Laboratory Control Sample Recoveries . . . . .	5-29
5-15 Summary of Method and Equipment Blank Results . . . . .	5-30
5-16 Summary of Metals Results for Method Blanks, Equipment Blanks, and Samples . . . . .	5-33
5-17 Summary of Matrix Spike and Matrix Spike Duplicate Results . . . . .	5-34
5-18 Summary of Laboratory Control Sample Recoveries . . . . .	5-35
5-19 Summary of AK101 Blank Results . . . . .	5-36
5-20 Summary of Gasoline Range Organics Surrogate Spike Recoveries . . . . .	5-37
5-27 Summary of Matrix Spike and Laboratory Control Sample Results for Gasoline Range Organics . . . . .	5-38
5-28 Summary of AK102 Blank Results . . . . .	5-39
5-30 Summary of Surrogate Spike Recoveries for Diesel Range Organics (DRO) . . . . .	5-40

LIST OF TABLES (Continued)

	Page
5-31 Summary of Matrix Spike and Laboratory Control Sample Results for Diesel Range Organics .....	5-41

## EXECUTIVE SUMMARY

The quality assurance/quality control (QA/QC) data for the analytical measurement data were reviewed by Mr. Dan Anderson, a member of Radian's Austin Quality Assurance Section. This review was performed to determine the usability and defensibility of the chemical measurement data for the Kalakaket Creek Radio Relay Station (RRS) and Galena Airport. The review focused on field and laboratory blanks, matrix spikes, surrogate recoveries, and laboratory control samples. Overall, QA/QC data associated with this program indicate that measurement data are acceptable and defensible. The QA/QC data indicate that the QC mechanisms were effective in ensuring measurement data reliability within the expected limits of sampling and analytical error.

There were concerns identified during the QA/QC review that should be noted prior to final interpretation of the analytical results. The concern identification that would have the greatest potential impact on the project data was matrix interference in the soil samples. The first concern related to the Kalakaket Creek RRS SW-846 8240 volatile analyses. There were seven field samples that had low recoveries for at least one internal standard and surrogate. The field samples with low recoveries were KAL94-DA-SS-01, KAL94-DA-SS-03, KAL94-DA-SS-04, KAL94-DA-SS-05, KAL94-VM-SS-01, KAL94-VM-SS-02, and KAL94-VM-SS-04. These samples were reanalyzed by the laboratory to confirm the matrix interference indicated by the first analysis. The reanalysis results agreed with the first analysis results. This internal standard recovery data indicate that these samples have matrix interference and the results are potentially

biased; consequently, the analytes were flagged to indicate quantitation using these internal standards.

For the Kalakaket Creek RRS and Galena Airport diesel range organic (DRO) results, some surrogate recoveries were not within the acceptance limits of 60%-120%, as specified in the quality assurance project plan. The surrogate was recovered both below and above the percent recovery acceptance criteria. The low recoveries were attributed to dilution of the samples because of high analyte concentration. The assignable cause for the high recoveries was matrix interference. The DRO surrogate recoveries for the field samples and equipment blanks are summarized in the QA/QC Report. The DRO surrogate recoveries are footnoted to include sample-specific information.

The data user should note that the data reported for this investigation are uncensored. Traditionally, analytical chemistry data have been censored at a concentration (e.g., method detection limit, practical quantitation limit, etc). The data contained in the analytical reports were not censored; consequently, low levels (greater than zero) of analytes are reported. However, the low levels reported may be similar to concentrations detected in blanks or attributed to systemic sources. Therefore, data users are encouraged to review the concentrations of analytes detected in the blanks relative to the concentrations detected in the field samples in order to determine the reasonability of data prior to making final conclusions. The QA/QC review for each method and matrix is summarized in the following sections.



## Section 1

### SUMMARY OF QA/QC ACTIVITIES

This section presents a summary of analytical results for quality control (QC) samples, estimates of measurement precision and accuracy on the basis of analysis of QC samples, and potential limitations in the use of the data.

Overall, quality assurance/quality control (QA/QC) data associated with this program indicate that measurement data are acceptable and defensible for the Kalakaket Creek Radio Relay Station (RRS) and Galena Airport. The QA/QC data indicate that the QC mechanisms were effective in ensuring measurement data reliability within the expected limits of sampling and analytical error.

QC data provide information for identifying and defining qualitative limitations associated with measurement data. The following key types of QC procedures provide the primary basis for quantitatively evaluating data quality:

- Field and laboratory blank samples;
- Duplicate field samples;
- Matrix and surrogate spiked samples; and
- Laboratory control samples.

#### 1.1 Blank Samples

Blanks are laboratory pure matrices designed to detect the introduction of contamination or other artifacts into the sampling and analytical process. This is an especially important role in measurement programs involving trace-level analyses. Results are presented in the following sections for the analysis of laboratory equipment rinsate, ambient conditions, and trip blanks.

##### 1.1.1 Laboratory Blanks

Laboratory blanks pertain only to the analytical process. Typically included with each batch of samples analyzed, laboratory blanks provide an ongoing check of the analytical process for systemic sample contamination. Laboratory method (reagent) blanks are processed through the entire preparation and analytical measurement techniques, in the same manner as the native field samples, and provide an indication of systemic contamination whose root cause may be in the preparation or measurement systems. Laboratory system blanks are processed only through the analytical measurement systems and provide data to assess potential systemic contamination of the measurement system. When contamination is indicated by blank values above pre-established levels, corrective action is initiated to identify and eliminate the source of contamination. If possible, the affected samples are reanalyzed.

##### 1.1.2 Equipment Blanks

An equipment, or rinsate, blank is an aliquot of analyte-free (i.e., Type II or organic-free) water that is poured over or through the sampling equipment, collected in a sample container, and returned to the laboratory as a sample. Equipment blanks are used to demonstrate whether a nondedicated sampling device has been adequately cleaned. Equipment blank results reflect the combined effects of sample collection, handling, transportation, storage, and analysis.

##### 1.1.3 Trip Blanks

A trip blank is a sample of organic-free water (prepared as for ambient blanks) that is placed in the sample bottle in an uncontaminated area in the laboratory prior to going in the field.

The trip blank is not opened in the field, but is transported back to the laboratory with the routine samples. Trip blanks are handled the same as other samples and serve to identify contamination from sample containers or transportation and storage procedures. Trip blanks accompany samples of both soil and groundwater matrices for volatile organic analyses only. When volatile organics are detected in trip blanks, it indicates that sample handling, transportation, or storage conditions may have contaminated investigative samples.

### 1.2 Duplicate Field Samples

A field duplicate sample is a second sample collected at the same location as the original sample. Duplicate sample results are used to assess precision, including variability associated with both the laboratory analysis and the sample collection process. Duplicate samples are collected simultaneously or in immediate succession, using identical recovery techniques, and treated in an identical manner during storage, transportation, and analysis. Duplicate water samples were collected and submitted blind to the laboratory at a frequency of 10% for this program.

### 1.3 Matrix and Surrogate Spikes

Matrix spiked (MS) samples and surrogate spiked samples are part of the QC protocol for the analysis of organic compounds; they are also part of the QC protocol for the metals analyses. MS samples are field samples to which known amounts of the analytes of interest have been added. Both a spiked and an unspiked aliquot are analyzed. The difference between the two aliquots is calculated and compared with the

amount of spike added before the extraction process. Since actual samples are used for the recovery determination, any matrix effects are taken into consideration. Usually expressed as a percentage of the spiked amount, spike recovery can be considered as a measure of the measurement accuracy in the actual sample matrix. For a single sample, this includes the combined effects of bias, or systematic error, and the measurement variability due to imprecision, and thus reflects overall uncertainty in the measurement results.

Surrogate spike samples are similar to MS samples except that an unspiked aliquot is not analyzed. Instead, all samples are spiked with one or more of the surrogate compounds that are chemically similar to the analytes of interest but not expected to be present in the actual field samples. Recovery of these surrogate compounds gives an estimate of the effectiveness of the extraction and analysis for a single sample.

### 1.4 Laboratory Control Samples

Laboratory control samples (LCS) are used to assess analytical performance under a given set of standard conditions. These are synthetic samples containing some or all of the analytes of interest at known concentrations and prepared independently from calibration standards. Typically analyzed with each analytical batch, LCS may be used to estimate analytical bias and accuracy by comparing measured results with theoretical concentrations. Although LCS do not address matrix effects as spiked samples do, they allow batch-to-batch variability to be considered and are useful in identifying trends.

## Section 2

### MAXIMUM HOLDING TIMES

Maximum holding times are established for each method to prevent possible change in concentration of the compounds of interest over time. Compounds of interest may be lost because of biological degradation or volatilization, or concentrations of halomethanes may increase in

the presence of free chloride. Samples for volatile and semivolatile organic analyses are particularly susceptible to these types of losses. Adherence to holding time requirements is reviewed while analytical measurement data are qualitatively evaluated.

## Section 3

# QUALITY CONTROL RESULTS FOR KALAKAKET CREEK RRS SOIL SAMPLE ANALYSES

QC procedures and activities implemented during this program provide a basis for estimating data precision and accuracy. QC procedures associated with investigative soil samples included the analysis of laboratory and field blanks, matrix and surrogate spikes, and LCS. Results of these analyses are discussed in this section.

### 3.1 Volatile Organics by SW-846 Method 8240

All sample analyses were performed within the maximum holding time requirements as specified by the U.S. Environmental Protection Agency (EPA) and the project quality assurance project plan (QAPP).

**Method Blank Sample Results**—Method blanks (Table 3-1) were analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blank samples analyzed did not have any target analytes reported at or above the stated detection limits, except for methylene chloride and acetone, which are common laboratory contaminants. Methylene chloride and acetone were reported at low concentrations near the sample-specific detection limits. However, the concentrations reported for these analytes were within the acceptance criteria specified in the QAPP. Overall, the results of these analyses indicate that no significant contaminant contribution from handling, preparation, or analyses occurred in the laboratory.

**Trip Blank Sample Results**—One trip blank was collected and analyzed for each sampling day. The trip blanks accompanied the samples shipped to the laboratory so that the

samples could be monitored for potential contamination during sampling, storage, or transport. The results for the trip blanks analyzed by GC/MS are summarized in Table 3-1. The trip blanks had similar levels of methylene chloride and acetone that were detected in the method blanks. Additionally, the trip blanks had methyl ethyl ketone (MEK) reported in the samples. However, these concentrations were less than the acceptance limits and required no corrective action by the laboratory. Overall, these results may be attributed to laboratory contamination and do not indicate significant contamination of samples from sampling, storage, or transport of the field samples.

**Equipment Blank Results**—Equipment blanks (Table 3-1) were collected and analyzed for volatile organics. The equipment blank analyzed had methylene chloride, acetone, and MEK detected near the stated detection limits. These results are similar to the analytical results for the method and trip blanks. Consequently, these analyses indicate that the cleaning process in the field was adequate and did not artificially introduce contaminants to the field samples.

**Surrogate Recoveries**—Three surrogate standards (toluene-d8, 1-bromo-4-fluorobenzene, and 1,2-dichloroethane-d4) were added to every sample analyzed for volatile organics. The surrogates were used to monitor purging efficiency and to provide an estimate of analytical measurement accuracy. The surrogate recoveries for most of the field samples were within the laboratory control limits for 1,4-bromofluorobenzene (74%-121%), 1,2-dichloroethane-d4 (70%-121%), and toluene-d8 (81%-117%), except for the following samples.

There were seven field samples that had low recoveries for at least one internal standard and surrogate. The field samples with low recoveries were KAL94-DA-SS-01, KAL94-DA-SS-03, KAL94-DA-SS-04, KAL94-DA-SS-05, KAL94-VM-SS-01, KAL94-VM-SS-02, and KAL94-VM-SS-04. These samples were reanalyzed by the laboratory to confirm the matrix interference indicated by the first analysis. The reanalysis results agreed with the first analysis results. This internal standard recovery data indicate that these samples have matrix interference and the results are potentially biased; consequently, the analytes were flagged to indicate quantitation using these internal standards.

The surrogate spike recoveries for the field samples and equipment and trip blanks are listed in Table 3-2. Overall, the remaining surrogate recoveries indicate that the analytical systems were in control at the time of sample analysis.

**Matrix Spike Results**—One sample was selected for spiking with five volatile organic compounds to assess matrix effects on analyte recovery. The sample was spiked with benzene, chlorobenzene, 1,1-dichloroethene, toluene, and trichloroethene. The percent recovery for all of the spike compounds was acceptable for both MS and matrix spike duplicate (MSD) recoveries. The relative percent differences (RPD) for the MS/MSD pairs demonstrate excellent method precision. The percent recoveries and RPD for the MS and MSD samples are summarized in Table 3-3.

**Laboratory Control Sample Results**—An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field samples. The results of the two LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of

the target analytes were recovered within the laboratory control limits for the LCS and LCS duplicate samples. The LCS results analyzed with the soil samples are summarized in Table 3-4, which includes the analyte, number of observations, mean, median, standard deviation, minimum percent recovery, and maximum percent recovery. Additionally, the LCS analyzed with the equipment blanks are summarized in Table 3-5. A review of these data indicate both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Field samples were not collected in duplicate and submitted to the laboratory for analysis. Consequently, sampling and analytical precision cannot be estimated.

### 3.2 Semivolatile Organics by SW-846 Method 8270

All sample preparation and analyses were performed within the EPA- and project QAPP-specified maximum holding time requirements.

**Method Blank Results**—Method blanks were analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blanks did not have any semivolatile compounds reported at or below the stated detection limits. The results of these analyses indicate that no significant contaminant contribution from handling, preparation, or analyses occurred in the laboratory. A summary of the blanks analyzed with the field samples is provided in Table 3-6.

**Equipment Blank Results**—Three equipment blanks (see Table 3-6) were collected and analyzed for semivolatile organics. The equipment blanks analyzed did not have target analytes reported at or below the stated detection limits. Consequently, these analyses indicate that the cleaning process in the field was adequate and

did not artificially introduce contaminants to the field samples.

**Surrogate Recoveries**—Six surrogate standards were added to every sample analyzed for semivolatile organics. The surrogates spiked in the samples were 2-fluorobiphenyl, 2-fluorophenol, nitrobenzene-d5, phenol-d5, terphenyl-d14, and 2,4,6-tribromophenol. The surrogate recoveries were within the laboratory control limits for 2-fluorobiphenyl (54%-115%), 2-fluorophenol (46%-119%), nitrobenzene-d5 (49%-120%), phenol-d5 (50%-122%), terphenyl-d14 (53%-133%), and 2,4,6-tribromophenol (19%-122%). The surrogate recoveries for the field samples and equipment blanks are summarized in Table 3-7. These surrogate recoveries indicate that the analytical systems were in control at the time of sample analysis.

**Matrix Spike Results**—Four samples were selected for spiking with 11 semivolatile compounds to assess matrix effects on analyte recovery. The percent recovery for all of the spike compounds was acceptable for both MS and MSD recoveries. The RPD for the MS/MSD pairs demonstrate excellent method precision. The percent recoveries and RPD for the MS and MSD samples are summarized in Table 3-8.

**Laboratory Control Sample Results**—An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field samples. The results of the LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for the LCS and LCS duplicate samples. All the RPD for the LCS and LCS duplicate samples were within the laboratory control limits. The LCS results are summarized in Table 3-9, which includes the analyte, number of observations, mean,

median, standard deviation, minimum percent recovery, and maximum percent recovery. Additionally, the LCS analyzed with the equipment blanks are summarized in Table 3-10. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Field samples were not collected in duplicate and submitted to the laboratory for analysis. Consequently, sampling and analytical precision cannot be estimated.

### 3.3 Organochlorine Pesticides and Polychlorinated Biphenyls (PCBs) by SW-846 Method 8080

All sample preparation and analyses were performed within the EPA- and project QAPP-specified maximum holding time requirements.

**Method Blank Results**—Method blanks were analyzed with each analytical batch to assess potential background contamination in the laboratory. The four method blanks had low levels (see Table 3-11) of delta-BHC, endosulfan II, endrin aldehyde, aldrin, alpha-BHC, and endosulfan sulfate. However, these values are below the acceptance requirements of the QAPP; consequently, the data are acceptable.

**Equipment Blank Results**—Three equipment blanks (see Table 3-11) were collected and analyzed for the target analytes. The target analytes reported were less than the acceptance limits in the QAPP and were similar to the method blank analytical measurement results. Consequently, these analyses indicate that the cleaning process in the field was adequate and did not artificially introduce contaminants to the field samples.



**Surrogate Recoveries**—Two surrogate standards were added to every sample analyzed for organochlorine pesticides and PCBs. The surrogates spiked in the samples were dibutylchlorendate and 2,4,5,6-tetrachloro-m-xylene. All surrogate recoveries on the primary column were within the laboratory control limits for dibutylchlorendate (20%-150%) and 2,4,5,6-tetrachloro-m-xylene (20%-150%), except for two samples. The two samples had at least one surrogate recovered outside the control limits because of high target analyte concentrations. For example, field sample KAL94-DA-SS-03 had 6,730,000 µg/kg of PCB-1260; consequently, the surrogates were diluted out, since the analysis requires a 1:20,000 sample dilution. Primary column surrogate recoveries in the field samples and equipment blanks are summarized in Table 3-12. These results indicate that the analytical systems were in control at the time of sample analysis.

**Matrix Spike Results**—Two samples were selected for spiking with six organochlorine pesticides to assess matrix effects on analyte recovery. The samples were spiked with aldrin, γ-BHC, 4,4'-DDT, dieldrin, endrin, and heptachlor. The percent recoveries were acceptable for both MS and MSD. The RPD for the MS/MSD recoveries indicate acceptable method precision. The percent recoveries and RPD for the MS/MSD samples are summarized in Table 3-13.

**Laboratory Control Sample Results**—An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field samples. Results of LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for the LCS and LCS duplicate samples, except for endrin aldehyde. All the RPD for the LCS and LCS

duplicate samples were within the laboratory control limits, except for endrin aldehyde. The LCS results are summarized in Table 3-14, which includes the analyte, number of observations, mean, median, standard deviation, minimum percent recovery, and maximum percent recovery. Additionally, the LCS analyzed with the equipment blanks are summarized in Table 3-15. The LCS analyzed with the water samples have acceptable recoveries for all compounds. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Field samples were not collected in duplicate and submitted to the laboratory for analysis. Consequently, sampling and analytical precision cannot be estimated.

#### 3.4 Inductively Coupled Plasma Emission Spectroscopy (ICPES) Metals Analyses by SW-846 Method 6010

Soil samples were collected and analyzed for aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc by SW-846 Method 6010. All sample preparation and analyses were performed within the EPA- and project QAPP-specified maximum holding time requirements.

**Method Blank Results**—Method blanks were analyzed with each analytical batch to assess potential background contamination in the laboratory. The five method blanks reported had low levels of target analytes detected slightly above or below the stated detection limits. The individual measurement results for the method blanks are summarized in Table 3-16. The measurement values are within the QAPP criteria; consequently, the method blank results were acceptable. Addi-

tionally, Table 3-17 compares the mean, minimum, and maximum concentrations of the method blanks, equipment blanks, and field (normal) samples. Overall, the results of these analyses indicate that no significant contaminant contribution from handling, preparation, or analyses occurred in the laboratory. However, data users are encouraged to review low levels (concentrations near the detection limit) of metals reported relative to the concentration detected in the method blanks to determine the reasonability of data prior to making final conclusions.

**Equipment Blank Results**—Three equipment blanks (see Table 3-18) were collected and analyzed for the target analytes. The target analytes reported were less than the stated detection limits or were similar to the method blank analytical measurement results (see Table 3-17). Consequently, these analyses indicate that the cleaning process in the field was adequate and did not artificially introduce contaminants to the field samples.

**Matrix Spike Results**—Two samples were selected for spiking with the target compounds to assess matrix effects on metals recovery. The majority of the spike compounds were within laboratory control limits for both MS and MSD recoveries. The MSD results demonstrate excellent method precision. The LCS/LCS duplicate samples were in control for each batch when the percent recoveries or the RPDs for the MS/MSD samples were not within the control limits. The MS and MSD recoveries and calculated RPD values are summarized in Table 3-19.

**Laboratory Control Sample Results**—A solid and a liquid LCS and LCS duplicate samples were analyzed with each analytical batch. These samples were processed through the same sample handling procedures as those for the field samples. Results of LCS/LCS duplicate analyses estimate method accuracy and precision in a clean

matrix. All of the target analytes were recovered within the laboratory control limits for the solid LCS and LCS duplicate samples. All the RPD for the LCS and LCS duplicate samples were within the laboratory control limits. The LCS results are summarized in Table 3-20, which includes the analyte, number of observations, mean, median, standard deviation, minimum percent recovery, and maximum percent recovery. Additionally, the liquid LCS analyzed with the project samples are summarized in Table 3-21. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Field samples were not collected in duplicate and submitted to the laboratory for analysis. Consequently, sampling and analytical precision cannot be estimated.

### 3.5 Alaska Method AK101.0 for Gasoline Range Organics (GRO)

All sample preparation and analyses were performed within method requirements and the project QAPP-specified maximum holding time requirements.

**Method Blank Results**—A method blank was analyzed with each analytical batch to assess potential background contamination in the laboratory. The two method blanks (see Table 3-22) did not have any GRO detected at or above the stated reporting limit. The results of these analyses indicate that no significant contaminant contribution of GRO from handling, preparation, or analyses occurred in the laboratory.

**Trip Blank Sample Results**—One trip blank was collected and analyzed for the sampling day. The trip blank accompanied the samples shipped to the laboratory so that the samples could be monitored for potential contamination during sampling, storage, or transport. The results



for the GRO trip blanks are summarized in Table 3-22. GRO were not detected in the trip blanks. The trip blank results indicate no significant contamination of samples from sampling, storage, or transport of the field samples.

**Equipment Blank Results**—Two equipment blanks were collected and analyzed for GRO. The equipment blanks analyzed did not have GRO reported at or above the stated reporting limit. This analysis indicates that the cleaning process in the field was adequate and did not artificially introduce significant levels of GRO to the field samples.

**Surrogate Recoveries**—A surrogate standard (trifluorotoluene) was added to every sample analyzed for GRO. The surrogate recoveries were within the QAPP acceptance limits of 60%-120%. The surrogate recoveries for the field samples and equipment blanks are summarized in Table 3-23. These surrogate recoveries indicate that the analytical systems were in control at the time of sample analysis.

**Matrix Spike Results**—Two samples were selected for spiking with GRO to assess matrix effects on analyte recovery. The percent recovery for the GRO spike samples was acceptable for both MS and MSD recoveries. The RPD for the MS/MSD pairs demonstrate acceptable method precision. The percent recoveries and RPD for the MS and LCS are summarized in Table 3-24.

**Laboratory Control Sample Results**—An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field samples. The results of the two LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory

control limits for the LCS and LCS duplicate samples. The LCS results are summarized in Table 3-24. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Field samples were not collected in duplicate and submitted to the laboratory for analysis. Consequently, sampling and analytical precision cannot be estimated.

### 3.6 Alaska Method AK102.0 for Diesel Range Organics (DRO)

All sample preparation and analyses were performed within method requirements and the project QAPP-specified maximum holding time requirements.

**Method Blank Results**—A method blank was analyzed with each analytical batch to assess potential background contamination in the laboratory. The two method blanks (see Table 3-25) did not have any DRO detected at or above the stated reporting limit. The results of these analyses indicate that no significant contaminant contribution of DRO from handling, preparation, or analyses occurred in the laboratory.

**Equipment Blank Results**—Two equipment blanks were collected and analyzed for DRO. The equipment blanks analyzed did not have DRO reported at or above the stated reporting limit. The equipment blank results are listed in Table 3-25. These analyses indicate that the cleaning process in the field was adequate and did not artificially introduce significant levels of DRO to the field samples.

**Surrogate Recoveries**—A surrogate standard (tetracosane) was added to every sample analyzed for DRO. Several surrogate recoveries were not within the QAPP acceptance limits of

60%-120%. The surrogate was recovered both below and above the percent recovery acceptance criteria. The low recoveries were attributed to dilution of the samples from high analyte concentration. The assignable cause for the high recoveries was matrix interference. The DRO concentrations and surrogate recoveries for the field samples and equipment blanks are summarized in Table 3-26. The DRO concentrations and surrogate recoveries are footnoted to include sample-specific information.

**Matrix Spike Results**—Two samples were selected for spiking with DRO to assess matrix effects on analyte recovery. The percent recovery for the DRO spike samples was acceptable for one of the two MS and MSD pairs. The RPD for the MS/MSD pairs demonstrate acceptable method precision. The KAL94-DT-SS-02 MS/MSD pair had low recoveries for both the MS and MSD. These low recoveries may be attributed to the normal sample concentration. The sample had 1600 mg/kg of DRO and was spiked with only 100 mg/kg of DRO; consequently, the spike concentration was approximately 6% of the

sample concentration. The percent recoveries and RPD for the MS and LCS samples are summarized in Table 3-27.

**Laboratory Control Sample Results**—An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field samples. The results of the two LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for at least one sample in each LCS/LCS pair. The LCS results are summarized in Table 3-27. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Field samples were not collected in duplicate and submitted to the laboratory for analysis. Consequently, sampling and analytical precision cannot be estimated.

**Table 3-1**  
**Summary of GC/MS Volatile Blank Results**

Sample Identification	Analyte	Concentration	Detection Limit	Result Units
BLK944066	Methylene chloride	1.32	2.21	µg/kg
	Acetone	8.77	1.27	µg/kg
KAL94-TB-10	Methylene chloride	1.03	2.21	µg/kg
	Acetone	18.4	1.27	µg/kg
	Methyl ethyl ketone	2.23	1.29	µg/kg
BLK944177	Methylene chloride	1.5	2.21	µg/kg
	Acetone	7.85	1.27	µg/kg
KAL94-PS-SS-02-EB	Methylene chloride	1.64	2.21	µg/kg
	Acetone	17.1	1.27	µg/kg
	Methyl ethyl ketone	2.2	1.29	µg/kg
KAL94-TB-08	Methylene chloride	0.99	2.21	µg/kg
	Acetone	22.2	1.27	µg/kg
	Methyl ethyl ketone	2.45	1.29	µg/kg
BLK944180	Acetone	5.97	5.87	µg/L
KAL94-VM-SS-02-EB	Methylene chloride	3.13	1.85	µg/L
	Acetone	10.6	5.87	µg/L
KAL94-DA-SS-01-EB	Methylene chloride	2.76	1.85	µg/L
	Acetone	10.6	5.87	µg/L
KAL94-TB-12	Acetone	16.3	5.87	µg/L

GC/MS = Gas chromatography/mass spectroscopy.

**Table 3-2**  
**Summary of Surrogate Spike Recoveries**

Sample	1,4-Bromo-fluorobenzene (74-121%)	1,2-Dichloro-ethane-d <sub>4</sub> (70-121%)	Toluene-d <sub>8</sub> (81-117%)	Accuracy Acceptable
BLK944066	95	107	99	yes
BLK944177	90	112	98	yes
BLK944180	93	104	100	yes
KAL94-DA-SS-01	46	109	52	no
KAL94-DA-SS-01-EB	92	106	98	yes
KAL94-DA-SS-02	89	108	97	yes
KAL94-DA-SS-02	83	118	98	yes
KAL94-DA-SS-02	83	119	100	yes
KAL94-DA-SS-03	69	116	77	no
KAL94-DA-SS-04	57	115	72	no
KAL94-DA-SS-05	48	108	55	no
KAL94-DA-SS-06	78	115	92	yes
KAL94-EQ-SS-01	68	109	75	no
KAL94-EQ-SS-02	61	109	69	no
KAL94-EQ-SS-03	59	111	64	no
KAL94-EQ-SS-04	66	114	77	no
KAL94-PS-SS-01	76	112	80	yes
KAL94-PS-SS-02	82	112	93	yes
KAL94-PS-SS-02-EB	90	114	100	yes
KAL94-PS-SS-03	80	114	96	yes
KAL94-PS-SS-04	80	113	96	yes
KAL94-SO-SS-01	62	107	81	yes
KAL94-TB-08	89	112	100	yes
KAL94-TB-10	90	110	100	yes
KAL94-TB-12	92	107	100	yes
KAL94-VM-SS-01	53	104	55	no
KAL94-VM-SS-02	62	110	73	no
KAL94-VM-SS-02-EB	88	106	100	yes
KAL94-VM-SS-03	81	110	99	yes
KAL94-VM-SS-04	66	112	71	no
LCS946489	97	105	100	yes
LCS946493	92	104	102	yes
LCS946498	96	103	101	yes
LCSD946490	98	108	100	yes
LCSD946494	95	114	100	yes
LCSD946499	96	104	100	yes

Table 3-3  
Summary of Matrix Spike and Matrix Spike Duplicate Results

Sample	Analyte	Accuracy Objective (% Rec) <sup>a</sup>	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD) <sup>b</sup>	RPD	Precision Acceptability
KAL94-DA-SS-02	1,1-Dichloroethene	0.1-234	90	98	yes	133	8.5	yes
	Trichloroethene	71-157	79	83	yes	39	4.9	yes
	Benzene	37-151	104	100	yes	60	3.9	yes
	Toluene	47-150	95	96	yes	53	1	yes
	Chlorobenzene	37-160	92	97	yes	63	5.3	yes

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 3-4**  
**Summary of GC/MS Purgeable Laboratory Control Sample Recoveries**  
**Analyzed with Soil Samples**

Analyte	N	Mean	Median	Std	Min	Max
1,1,1-Trichloroethane	4	112.5	115.0	6.45	103	117
1,1,2,2-Tetrachloroethane	4	109.3	108.0	5.56	104	117
1,1,2-Trichloroethane	4	94.5	95.5	3.87	89	98
1,1-Dichloroethane	4	100.0	101.0	5.83	92	106
1,1-Dichloroethene	4	107.5	110.5	7.77	96	113
1,2-Dichloroethane	4	105.5	107.0	6.03	97	111
1,2-Dichloropropane	4	99.0	99.5	3.74	94	103
2-Chloroethyl vinyl ether	4	222.5	222.5	18.6	200	245
2-Hexanone	4	91.8	92.5	2.87	88	94
4-Methyl-2-Pentanone (MIBK)	4	100.8	100.5	3.50	97	105
Acetone	4	120.0	121.5	8.04	109	128
Benzene	4	107.5	108.0	2.65	104	110
Bromodichloromethane	4	100.3	101.0	2.22	97	102
Bromomethane	4	88.3	90.5	6.60	79	93
Carbon disulfide	4	105.5	108.0	7.94	94	112
Carbon tetrachloride	4	106.8	107.0	1.26	105	108
Chlorobenzene	4	94.0	94.0	2.94	91	97
Chloroethane	4	95.5	97.0	6.03	87	101
Chloroform	4	101.5	101.5	2.08	99	104
Chloromethane	4	89.3	90.0	7.85	79	98
Dibromochloromethane	4	90.0	90.5	6.48	83	96
Ethylbenzene	4	94.3	96.0	6.18	86	99
Methyl ethyl ketone	4	87.0	88.0	4.24	81	91
Methylene chloride	4	104.8	106.5	3.86	99	107
Styrene	4	92.8	93.5	5.38	86	98
Tetrachloroethene	4	92.3	92.5	3.20	89	95
Toluene	4	102.3	103.5	4.50	96	106
Tribromomethane (Bromoform)	4	84.8	84.5	10.2	75	95
Trichloroethene	4	87.0	86.5	4.69	82	93
Vinyl chloride	4	84.3	86.0	5.91	76	89
Vinyl acetate	4	127.5	121.5	16.5	116	151
Xylene (total)	4	97.3	98.5	6.55	89	103
cis-1,3-Dichloropropene	4	97.0	98.0	2.83	93	99
trans-1,2-Dichloroethene	4	103.0	106.0	6.00	94	106
trans-1,3-Dichloropropene	4	95.3	97.0	4.19	89	98

GC/MS = Gas chromatography/mass spectroscopy

N = Number of observations

Std = Standard deviation

Min = Minimum percent recovery

Max = Maximum percent recovery

**Table 3-5**  
**Summary of GC/MS Purgeable Laboratory Control Sample Recoveries**  
**Analyzed with Water Samples**

Analyte	N	Mean	Median	Std	Min	Max
1,1,1-Trichloroethane	2	108.0	108.0	1.41	107	109
1,1,2,2-Tetrachloroethane	2	99.0	99.0	4.24	96	102
1,1,2-Trichloroethane	2	95.5	95.5	3.54	93	98
1,1-Dichloroethane	2	101.5	101.5	0.71	101	102
1,1-Dichloroethene	2	100.0	100.0	0.00	100	100
1,2-Dichloroethane	2	107.0	107.0	1.41	106	108
1,2-Dichloropropane	2	101.0	101.0	4.24	98	104
2-Hexanone	2	99.0	99.0	0.00	99	99
4-Methyl-2-Pentanone (MIBK)	2	104.5	104.5	0.71	104	105
Acetone	2	70.5	70.5	0.71	70	71
Benzene	2	107.0	107.0	2.83	105	109
Bromodichloromethane	2	99.5	99.5	2.12	98	101
Bromomethane	2	88.0	88.0	1.41	87	89
Carbon disulfide	2	122.5	122.5	3.54	120	125
Carbon tetrachloride	2	97.5	97.5	4.95	94	101
Chlorobenzene	2	97.0	97.0	1.41	96	98
Chloroethane	2	92.5	92.5	0.71	92	93
Chloroform	2	99.5	99.5	3.54	97	102
Chloromethane	2	82.5	82.5	0.71	82	83
Dibromochloromethane	2	90.0	90.0	0.00	90	90
Ethylbenzene	2	94.5	94.5	2.12	93	96
Methyl ethyl ketone	2	98.5	98.5	0.71	98	99
Methylene chloride	2	110.5	110.5	0.71	110	111
Styrene	2	96.5	96.5	0.71	96	97
Tetrachloroethene	2	92.0	92.0	2.83	90	94
Toluene	2	104.0	104.0	2.83	102	106
Tribromomethane (Bromoform)	2	85.0	85.0	1.41	84	86
Trichloroethene	2	98.0	98.0	2.83	96	100
Vinyl chloride	2	83.5	83.5	2.12	82	85
Vinyl acetate	2	95.5	95.5	0.71	95	96
Xylene (total)	2	99.0	99.0	2.83	97	101
cis-1,3-Dichloropropene	2	98.5	98.5	2.12	97	100
trans-1,2-Dichloroethene	2	105.0	105.0	2.83	103	107
trans-1,3-Dichloropropene	2	99.0	99.0	1.41	98	100

GS/MS = Gas chromatography/mass spectroscopy

N = Number of observations

Std = Standard deviation

Min = Minimum percent recovery

Max = Maximum percent recovery



**Table 3-6**  
**Summary of Blank Results**

Sample Identification	Analyte	Concentration	Detection Limit	Result Units
BLK944216	None Detected	--	--	µg/L
BLK944279	None Detected	--	--	µg/L
KAL94-PS-SS-02-EB	None Detected	--	--	µg/L
BLK944285	None Detected	--	--	µg/L
KAL94-VM-SS-02-EB	None Detected	--	--	µg/L
KAL94-DA-SS-01-EB	None Detected	--	--	µg/L
BLK944385	None Detected	--	--	µg/g
BLK944309	None Detected	--	--	µg/g
BLK944291	None Detected	--	--	µg/g
BLK944309	None Detected	--	--	µg/g



Table 3-7  
Summary of Surrogate Spike Recoveries

Sample	2-FBP (54-115%)	2-FPH (46-119%)	NB-d <sub>5</sub> (49-120%)	Ph-d <sub>5</sub> (50-122%)	TP-dI <sub>4</sub> (53-133%)	2,4,6-TBP (19-122%)	Accuracy Acceptable
BLK944216	89	99	100	104	113	103	yes
BLK944279	83	85	87	90	98	86	yes
BLK944285	96	96	96	100	110	97	yes
BLK944291	92	91	97	93	97	97	yes
BLK944309	82	82	86	86	86	91	yes
BLK944309	83	83	79	88	92	107	yes
BLK944385	93	98	96	103	103	86	yes
KAL94-DA-SS-01	86	78	90	86	116	100	yes
KAL94-DA-SS-01-EB	94	97	98	102	101	98	yes
KAL94-DA-SS-02	91	88	95	94	99	105	yes
KAL94-DA-SS-02	93	95	104	96	99	103	yes
KAL94-DA-SS-02	94	92	91	96	106	120	yes
KAL94-DA-SS-02	98	96	98	100	110	122	yes
KAL94-DA-SS-02	97	95	94	101	108	121	yes
KAL94-DA-SS-03	94	82	90	88	101	92	yes
KAL94-DA-SS-04	93	79	90	86	99	94	yes
KAL94-DA-SS-05	86	79	89	84	119	99	yes
KAL94-DA-SS-06	93	91	92	96	99	119	yes

(Continued)

Sample	2-FBP (54-115%)	2-FPH (46-119%)	NB-d <sub>5</sub> (49-120%)	Ph-d <sub>5</sub> (50-122%)	TP-d <sub>14</sub> (53-133%)	2,4,6-TBP (19-122%)	Accuracy Acceptable
KAL94-PS-SS-01	86	76	80	79	97	86	yes
KAL94-PS-SS-01	94	84	85	88	99	86	yes
KAL94-PS-SS-01	84	76	80	77	89	73	yes
KAL94-PS-SS-02	89	81	79	86	92	82	yes
KAL94-PS-SS-02-EB	94	97	102	100	106	98	yes
KAL94-PS-SS-03	88	82	88	88	95	95	yes
KAL94-PS-SS-04	89	89	93	93	98	99	yes
KAL94-SO-SS-01	100	78	81	80	104	90	yes
KAL94-VM-SS-01	85	85	80	90	95	104	yes
KAL94-VM-SS-02	111	109	105	113	111	90	yes
KAL94-VM-SS-02	97	94	94	96	98	81	yes
KAL94-VM-SS-02	101	98	95	103	109	79	yes
KAL94-VM-SS-02-EB	100	96	102	101	111	107	yes
KAL94-VM-SS-03	85	79	80	85	92	108	yes
KAL94-VM-SS-04	84	79	82	84	119	99	yes
LCS946534	93	96	101	100	106	96	yes
LCS946628	97	88	93	93	101	94	yes
LCS946642	89	99	98	100	109	90	yes
LCS946649	98	97	103	98	101	102	yes
LCS946677	93	89	98	93	98	100	yes

(Continued)

Sample	2-FBP (54-115%)	2-FPH (46-119%)	NB-d <sub>5</sub> (49-120%)	Ph-d <sub>5</sub> (50-122%)	TP-dl <sub>4</sub> (53-133%)	2,4,6-TBP (19-122%)	Accuracy Acceptable
LCS946677	92	96	95	97	101	106	yes
LCS946795	105	101	102	107	111	97	yes
LCSD946534	91	90	94	97	102	98	yes
LCSD946628	87	91	92	93	96	85	yes
LCSD946642	94	99	101	104	105	90	yes
LCSD946649	96	93	100	94	100	101	yes
LCSD946677	88	89	96	90	92	94	yes
LCSD946677	90	93	88	93	99	108	yes
LCSD946795	101	107	106	111	114	91	yes

2-FB 2-Fluorobiphenyl  
 2-FPH 2-Fluorophenol  
 NB-d<sub>5</sub> Nitrobenzene-d<sub>5</sub>  
 PH-d<sub>5</sub> Phenol-d<sub>5</sub>  
 TP-dl<sub>4</sub> Terphenyl-dl<sub>4</sub>  
 2,4,6-TBP 2,4,6-Tribromophenol

Table 3-8  
Summary of Matrix Spike and Matrix Spike Duplicate Results

Sample	Analyte	Accuracy Objective (% Rec <sup>a</sup> )	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD <sup>b</sup> )	RPD	Precision Acceptability
KAL94-DA-SS-02	Phenol	5-112	85	83	yes	76	2.4	yes
	2-Chlorophenol	23-134	92	88	yes	81	4.4	yes
	1,4-Dichlorobenzene	20-124	88	88	yes	81	0	yes
	N-Nitroso-di-n-propylamine	0.1-230	102	101	yes	113	1	yes
	1,2,4-Trichlorobenzene	44-142	101	100	yes	59	1	yes
	4-Chloro-3-methylphenol	22-147	98	93	yes	84	5.2	yes
	2,4-Dinitrotoluene	39-139	101	97	yes	62	4	yes
	Acenaphthene	47-145	92	86	yes	56	6.7	yes
	4-Nitrophenol	0.1-132	93	87	yes	124	6.7	yes
	Pentachlorophenol	14-176	99	95	yes	86	4.1	yes
	Pyrene	52-115	94	93	yes	43	1.1	yes
	Phenol	5-112	87	85	yes	76	2.3	yes
	2-Chlorophenol	23-134	94	90	yes	81	4.4	yes
	1,4-Dichlorobenzene	20-124	91	92	yes	81	1.1	yes
KAL94-DA-SS-02	N-Nitroso-di-n-propylamine	0.1-230	111	109	yes	113	1.8	yes
	1,2,4-Trichlorobenzene	44-142	103	102	yes	59	1	yes
	4-Chloro-3-methylphenol	22-147	92	92	yes	84	0	yes
	2,4-Dinitrotoluene	39-139	96	91	yes	62	5.4	yes
	Acenaphthene	47-145	95	93	yes	56	2.1	yes
	4-Nitrophenol	0.1-132	99	95	yes	124	4.1	yes
	Pentachlorophenol	14-176	106	100	yes	86	5.8	yes
	Pyrene	52-115	101	97	yes	43	4	yes

(Continued)

## Section 3—Quality Control Results for Kalakaket Creek RRS Soil Sample Analyses

## QA/QC Summary Report

## Kalakaket Creek RRS and Galena Airport

Sample	Analyte	Accuracy Objective (% Rec) <sup>a</sup>	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD) <sup>b</sup>	RPD	Precision Acceptability
KAL94-PS-SS-01	Phenol	5-112	75	74	yes	76	1.3	yes
	2-Chlorophenol	23-134	86	79	yes	81	8.5	yes
	1,4-Dichlorobenzene	20-124	87	76	yes	81	14	yes
	N-Nitroso-di-n-propylamine	0.1-230	86	85	yes	113	1.2	yes
	1,2,4-Trichlorobenzene	44-142	98	87	yes	59	12	yes
	4-Chloro-3-methylphenol	22-147	80	83	yes	84	3.7	yes
	2,4-Dinitrotoluene	39-139	71	68	yes	62	4.3	yes
	Acenaphthene	47-145	89	84	yes	56	5.8	yes
	4-Nitrophenol	0.1-132	66	61	yes	124	7.9	yes
	Pentachlorophenol	14-176	63	66	yes	86	4.6	yes
	Pyrene	52-115	92	88	yes	43	4.4	yes
	Phenol	5-112	85	96	yes	76	12	yes
	2-Chlorophenol	23-134	88	98	yes	81	11	yes
	1,4-Dichlorobenzene	20-124	87	101	yes	81	15	yes
KAL94-VM-SS-02	N-Nitroso-di-n-propylamine	0.1-230	108	122	yes	113	12	yes
	1,2,4-Trichlorobenzene	44-142	95	107	yes	59	12	yes
	4-Chloro-3-methylphenol	22-147	82	99	yes	84	19	yes
	2,4-Dinitrotoluene	39-139	55	56	yes	62	1.8	yes
	Acenaphthene	47-145	93	105	yes	56	12	yes
	4-Nitrophenol	0.1-132	89	104	yes	124	16	yes
	Pentachlorophenol	14-176	65	81	yes	86	22	yes
	Pyrene	52-115	104	112	yes	43	7.4	yes
	Phenol	5-112	85	96	yes	76	12	yes
	2-Chlorophenol	23-134	88	98	yes	81	11	yes
	1,4-Dichlorobenzene	20-124	87	101	yes	81	15	yes
	N-Nitroso-di-n-propylamine	0.1-230	108	122	yes	113	12	yes
	1,2,4-Trichlorobenzene	44-142	95	107	yes	59	12	yes
	4-Chloro-3-methylphenol	22-147	82	99	yes	84	19	yes
	2,4-Dinitrotoluene	39-139	55	56	yes	62	1.8	yes
	Acenaphthene	47-145	93	105	yes	56	12	yes
	4-Nitrophenol	0.1-132	89	104	yes	124	16	yes
	Pentachlorophenol	14-176	65	81	yes	86	22	yes
	Pyrene	52-115	104	112	yes	43	7.4	yes

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 3-9**  
**Summary of Laboratory Control Sample Recoveries Analyzed with Soil Samples**

Analyte	N	Mean	Median	Std	Min	Max
1,2,4-Trichlorobenzene	8	104.9	105.0	1.89	102	108
1,2-Dichlorobenzene	8	101.4	101.5	4.24	97	108
1,3-Dichlorobenzene	8	99.6	99.5	2.45	96	103
1,4-Dichlorobenzene	8	95.3	96.0	2.82	91	100
2,4,5-Trichlorophenol	8	102.9	104.0	5.03	96	112
2,4,6-Trichlorophenol	8	83.8	83.5	4.50	77	93
2,4-Dichlorophenol	8	98.8	98.5	5.01	93	109
2,4-Dimethylphenol	8	73.9	73.0	8.76	62	87
2,4-Dinitrophenol	8	144.9	146.5	15.4	122	166
2,4-Dinitrotoluene	8	106.3	106.0	4.59	100	114
2,6-Dinitrotoluene	8	113.8	112.5	3.85	109	119
2-Chloronaphthalene	8	88.5	88.5	5.21	82	98
2-Chlorophenol	8	97.0	95.5	5.71	90	107
2-Methylnaphthalene	8	105.8	105.5	3.33	101	110
2-Methylphenol	8	92.5	90.0	6.05	87	103
2-Nitroaniline	8	103.6	103.0	5.78	94	112
2-Nitrophenol	8	107.1	108.5	4.67	98	113
3,3'-Dichlorobenzidine	8	145.3	144.5	7.78	136	155
3-Nitroaniline	8	109.4	108.5	3.96	105	117
4,6-Dinitro-2-methylphenol	8	136.6	140.5	12.8	115	150
4-Bromophenyl phenyl ether	8	104.0	104.5	4.90	97	113
4-Chloro-3-methylphenol	8	97.0	96.0	4.63	90	105
4-Chlorophenyl phenyl ether	8	112.5	111.0	5.73	104	121
4-Methylphenol/3-Methylphenol	8	87.6	84.5	9.80	79	103
4-Nitroaniline	8	99.0	99.5	6.61	89	107
4-Nitrophenol	8	97.5	94.5	10.2	85	117
Acenaphthene	8	95.6	95.0	3.66	90	102
Acenaphthylene	8	106.0	105.0	4.28	100	112
Anthracene	8	108.3	107.0	4.06	102	114
Benzo(a)anthracene	8	108.0	107.5	6.44	99	119
Benzo(a)pyrene	8	100.1	97.5	6.31	94	110
Benzo(b)fluoranthene	8	94.9	95.5	6.17	88	107
Benzo(g,h,i)perylene	8	109.9	109.0	14.9	93	127
Benzo(k)fluoranthene	8	97.5	96.0	10.7	85	113

(Continued)

## Section 3—Quality Control Results for Kalakaket Creek RRS Soil Sample Analyses

## QA/QC Summary Report

Kalakaket Creek RRS and Galena Airport

Analyte	N	Mean	Median	Std	Min	Max
Benzoic acid	8	60.4	62.5	12.4	41	77
Benzyl alcohol	8	98.8	97.5	8.29	90	109
Butylbenzylphthalate	8	105.6	104.0	7.78	97	120
Chrysene	8	104.3	104.0	4.77	97	111
Di-n-octylphthalate	8	111.1	107.5	12.2	100	132
Dibenz(a,h)anthracene	8	99.5	100.0	5.42	92	107
Dibenzofuran	8	102.8	102.5	3.69	97	108
Dibutylphthalate	8	106.1	105.5	5.46	97	114
Diethylphthalate	8	107.3	105.5	5.85	98	117
Dimethylphthalate	8	104.5	104.5	3.66	98	110
Diphenylamine	8	97.8	96.5	5.15	91	107
Fluoranthene	8	102.3	102.5	3.85	96	107
Fluorene	8	90.1	89.5	4.70	83	97
Hexachlorobenzene	8	107.5	109.0	6.02	98	116
Hexachlorobutadiene	8	101.8	101.0	3.88	97	109
Hexachlorocyclopentadiene	8	91.9	98.5	39.3	32	128
Hexachloroethane	8	104.0	103.0	7.01	96	114
Indeno(1,2,3-cd)pyrene	8	98.0	97.5	6.16	89	107
Isophorone	8	108.3	108.5	3.92	102	113
N-Nitroso-di-n-propylamine	8	102.4	101.0	6.09	95	112
Naphthalene	8	100.4	99.5	3.96	94	105
Nitrobenzene	8	101.6	102.5	3.20	95	106
Pentachlorophenol	8	88.6	89.0	3.58	84	95
Phenanthrene	8	93.8	93.0	3.69	88	99
Phenol	8	94.9	92.0	8.51	86	109
Pyrene	8	101.1	99.5	5.41	95	110
bis(2-Chloroethoxy)methane	8	99.0	100.0	3.34	93	103
bis(2-Chloroethyl)ether	8	96.9	97.0	2.95	92	101
bis(2-Chloroisopropyl)ether	8	94.9	96.0	7.36	85	104
bis(2-Ethylhexyl)phthalate	8	100.3	98.5	7.48	91	112
p-Chloroaniline	8	112.8	114.0	2.43	108	115

N = Number of observations

Std = Standard deviation

Min = Minimum percent recovery

Max = Maximum percent recovery



**Table 3-10**  
**Summary of Laboratory Control Sample Recoveries**  
**Analyzed with Water Samples**

Analyte	N	Mean	Median	Std	Min	Max
1,2,4-Trichlorobenzene	6	99.2	98.0	5.46	92	107
1,2-Dichlorobenzene	6	97.8	98.5	4.79	91	104
1,3-Dichlorobenzene	6	95.7	95.5	6.35	88	105
1,4-Dichlorobenzene	6	92.7	93.0	5.85	86	102
2,4,5-Trichlorophenol	6	104.7	104.5	4.55	98	111
2,4,6-Trichlorophenol	6	86.7	85.5	3.14	83	91
2,4-Dichlorophenol	6	96.0	96.5	4.47	88	101
2,4-Dimethylphenol	6	70.0	69.5	8.56	60	85
2,4-Dinitrophenol	6	121.3	138.0	44.4	64	168
2,4-Dinitrotoluene	6	102.8	103.0	2.93	99	106
2,6-Dinitrotoluene	6	114.7	113.0	3.83	111	120
2-Chloronaphthalene	6	93.7	92.5	3.27	91	100
2-Chlorophenol	6	97.2	97.5	4.62	89	102
2-Methylnaphthalene	6	105.2	105.0	2.99	101	109
2-Methylphenol	6	93.2	94.5	4.58	85	97
2-Nitroaniline	6	106.2	105.5	2.64	104	111
2-Nitrophenol	6	104.0	104.5	4.43	97	110
3,3'-Dichlorobenzidine	6	119.0	129.0	42.0	36	150
3-Nitroaniline	6	110.2	109.0	3.54	107	115
4,6-Dinitro-2-methylphenol	6	112.0	127.5	35.1	63	143
4-Bromophenyl phenyl ether	6	102.2	102.0	2.99	99	106
4-Chloro-3-methylphenol	6	97.8	98.5	2.71	93	101
4-Chlorophenyl phenyl ether	6	112.2	111.5	3.76	108	119
4-Methylphenol/3-methylphenol	6	91.7	93.5	3.88	85	95
4-Nitroaniline	6	99.3	97.5	4.55	95	106
4-Nitrophenol	6	109.8	110.5	3.97	105	116
Acenaphthene	6	99.2	101.0	4.12	93	103
Acenaphthylene	6	108.7	109.0	3.27	104	113
Anthracene	6	110.5	111.0	3.27	106	114
Benzo(a)anthracene	6	110.3	112.5	3.88	104	113
Benzo(a)pyrene	6	102.2	102.5	4.45	95	107
Benzo(b)fluoranthene	6	101.2	103.0	6.11	90	107
Benzo(g,h,i)perylene	6	118.2	120.5	9.37	107	127

(Continued)



## Section 3—Quality Control Results for Kalakaket Creek RRS Soil Sample Analyses

## QA/QC Summary Report

Kalakaket Creek RRS and Galena Airport

Analyte	N	Mean	Median	Std	Min	Max
Benzo(k)fluoranthene	6	103.8	104.0	12.6	82	116
Benzoic acid	6	95.2	94.0	5.53	90	106
Benzyl alcohol	6	108.5	108.0	4.18	103	115
Butylbenzylphthalate	6	112.7	113.5	4.13	105	117
Chrysene	6	104.3	104.0	4.55	98	112
Di-n-octylphthalate	6	122.8	123.0	3.66	117	127
Dibenz(a,h)anthracene	6	100.7	101.0	6.02	94	108
Dibenzofuran	6	104.2	104.5	3.66	99	110
Dibutylphthalate	6	108.3	109.5	2.66	105	111
Diethylphthalate	6	110.3	109.5	3.27	107	116
Dimethylphthalate	6	106.8	106.0	2.79	103	111
Diphenylamine	6	95.5	96.0	4.85	87	102
Fluoranthene	6	101.5	101.5	3.15	98	105
Fluorene	6	92.8	92.5	2.48	90	97
Hexachlorobenzene	6	102.2	103.0	2.64	98	105
Hexachlorobutadiene	6	96.2	95.5	5.64	88	103
Hexachlorocyclopentadiene	6	77.5	77.0	30.5	45	119
Hexachloroethane	6	102.0	100.0	8.10	94	115
Indeno(1,2,3-cd)pyrene	6	102.7	103.0	6.77	95	110
Isophorone	6	109.7	110.0	2.73	106	113
N-Nitroso-di-n-propylamine	6	106.5	105.5	4.81	102	114
Naphthalene	6	99.2	99.0	3.76	94	105
Nitrobenzene	6	101.3	101.5	2.94	97	106
Pentachlorophenol	6	89.5	91.0	5.01	82	95
Phenanthrene	6	95.5	96.0	3.08	91	99
Phenol	6	99.2	97.5	5.85	91	106
Pyrene	6	104.7	106.0	3.14	99	107
bis(2-Chloroethoxy)methane	6	96.5	96.0	2.81	93	101
bis(2-Chloroethyl)ether	6	96.0	94.5	4.98	90	103
bis(2-Chloroisopropyl)ether	6	92.5	92.0	4.55	87	100
bis(2-Ethylhexyl)phthalate	6	110.7	108.5	10.6	100	131
p-Chloroaniline	6	103.7	104.5	4.41	96	109

N = Number of observations

Std = Standard deviation

Min = Minimum percent recovery

Max = Maximum percent recovery

**Table 3-11**  
**Summary of Blank Results**

Sample Identification	Analyte	Concentration	Detection Limit	Units
BLK944235	delta-BHC	0.0227	0.00172	µg/L
	Endosulfan II	0.0048	0.00433	µg/L
	Endrin aldehyde	0.0035	0.0106	µg/L
KAL94-PS-SS-02-EB	Endosulfan sulfate	0.0022	0.00735	µg/L
BLK944300	Aldrin	0.301	0.215	µg/kg
	alpha-BHC	0.984	0.181	µg/kg
	Endosulfan sulfate	2.71	0.728	µg/kg
BLK944300	Aldrin	0.292	0.215	µg/kg
	alpha-BHC	1.05	0.181	µg/kg
	Endosulfan sulfate	2.67	0.728	µg/kg
KAL94-PS-SS-02-EB	4,4'-DDT	0.0012	0.00676	µg/L
BLK944272 B	None Detected	--	--	µg/kg
BLK944272	None Detected	--	--	µg/kg
BLK944378	Endrin	0.382	0.773	µg/kg
BLK944301	delta-BHC	0.0088	0.00218	µg/L
	Endrin	0.0245	0.00726	µg/L
KAL94-DA-SS-01-EB	delta-BHC	0.0083	0.00216	µg/L
	Dieldrin	0.0028	0.00399	µg/L

**Table 3-12**  
**Summary of Surrogate Spike Recoveries**

Sample	Dibutylchlorodate (20-150%)	2,4,5,6-Tetrachloro-m-xylene (20-150%)	Accuracy Acceptable
BLK944235	84	66	yes
BLK944272	90	81	yes
BLK944272 B	91	83	yes
BLK944300	77	77	yes
BLK944300	80	79	yes
BLK944301	99	86	yes
BLK944378	91	91	yes
KAL94-DA-SS-01	67	86	yes
KAL94-DA-SS-01-EB	94	86	yes
KAL94-DA-SS-02	82	86	yes
KAL94-DA-SS-02	88	87	yes
KAL94-DA-SS-02	85	86	yes
KAL94-DA-SS-02	83	88	yes
KAL94-DA-SS-02	89	88	yes
KAL94-DA-SS-03	diluted out	diluted out	no
KAL94-DA-SS-04	51	72	yes
KAL94-DA-SS-05	95	88	yes
KAL94-DA-SS-06	92	88	yes
KAL94-EQ-SS-01	15	28	no
KAL94-EQ-SS-02	98	108	yes
KAL94-EQ-SS-03	77	96	yes
KAL94-EQ-SS-04	20	30	yes
KAL94-ET-SS-01	86	83	yes
KAL94-ET-SS-02	208	86	yes
KAL94-ET-SS-03	561	114	yes
KAL94-ET-SS-04	98	103	yes

(Continued)

Section 3—Quality Control Results for Kalakaket Creek RRS Soil Sample Analyses  
Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample	Dibutylchlorodate (20-150%)	2,4,5,6-Tetrachloro-m-xylene (20-150%)	Accuracy Acceptable
KAL94-PS-SS-01	153	103	yes
KAL94-PS-SS-02	99	85	yes
KAL94-PS-SS-02-EB	84	84	yes
KAL94-PS-SS-03	98	85	yes
KAL94-PS-SS-04	70	64	yes
KAL94-SO-SS-01	117	96	yes
LCS946553	93	80	yes
LCS946554	77	66	yes
LCS946618	86	81	yes
LCS946618	86	80	yes
LCS946619	84	81	yes
LCS946619	86	81	yes
LCS946666	86	86	yes
LCS946667	83	75	yes
LCS946667	84	76	yes
LCS946668	98	83	yes
LCS946669	88	64	yes
LCS946788	92	88	yes
LCSD946553	95	79	yes
LCSD946554	78	68	yes
LCSD946618	91	86	yes
LCSD946618	90	84	yes
LCSD946619	86	76	yes
LCSD946619	88	76	yes
LCSD946666	76	79	yes
LCSD946667	67	72	yes
LCSD946667	67	72	yes
LCSD946668	88	76	yes
LCSD946669	83	71	yes
LCSD946788	90	88	yes

Table 3-13  
Summary of Matrix Spike and Matrix Spike Duplicate Results

Sample	Analyte	Accuracy Objective (% Rec) <sup>a</sup>	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD) <sup>b</sup>	RPD	Precision Acceptability
KAL94-DA-SS-02	Aldrin	42-122	99	103	yes	55	4	yes
	gamma-BHC	32-127	81	79	yes	63	2.5	yes
	4,4'-DDT	25-160	91	85	yes	85	6.8	yes
	Dieldrin	36-146	84	85	yes	44	1.2	yes
	Endrin	30-147	94	93	yes	67	1.1	yes
	Heptachlor	34-120	84	82	yes	43	4.8	yes
	Aldrin	42-122	101	104	yes	55	2.9	yes
KAL94-DA-SS-02	gamma-BHC	32-127	82	81	yes	63	1.2	yes
	4,4'-DDT	25-160	98	86	yes	85	13	yes
	Dieldrin	36-146	91	83	yes	44	9.2	yes
	Endrin	30-147	99	94	yes	67	5.2	yes
	Heptachlor	34-120	85	84	yes	43	2.4	yes

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 3-14**  
**Summary of Laboratory Control Sample Recoveries**  
**Analyzed with Soil Samples**

Analyte	N	Mean	Median	Std	Min	Max
4,4'-DDT	6	85.3	85.5	4.80	80	90
Aldrin	6	82.3	83.0	5.20	73	88
Dieldrin	6	84.0	82.5	6.45	75	92
Endosulfan II	6	78.5	78.0	9.03	63	88
Endrin	6	81.7	83.0	7.03	70	88
Endrin aldehyde	4	2.2	2.4	0.84	1.1	3
Heptachlor	6	82.7	83.0	4.76	76	88
Heptachlor epoxide	6	92.2	92.0	7.81	80	101
Mirex	6	88.8	91.5	6.77	77	95
PCB-1016	10	90.9	84.5	19.4	72	129
PCB-1260	10	81.8	85.0	7.21	68	88
alpha-BHC	6	80.3	80.0	7.00	70	88
alpha-Chlordane	6	86.8	86.5	5.71	81	93

N = Number of observations  
 Std = Standard deviation  
 Min = Minimum percent recovery  
 Max = Maximum percent recovery

**Table 3-15**  
**Summary of Laboratory Control Sample Recoveries**  
**Analyzed with Water Samples**

Analyte	N	Mean	Median	Std	Min	Max
4,4'-DDT	4	94.8	95.0	2.06	92	97
Aldrin	4	89.5	89.0	3.42	86	94
Dieldrin	4	93.8	93.5	3.86	90	98
Endosulfan II	4	96.0	96.5	4.24	91	100
Endrin	4	92.3	90.5	4.57	89	99
Endrin aldehyde	4	104.8	106.0	8.73	93	114
Heptachlor	4	94.5	94.0	2.65	92	98
Heptachlor epoxide	4	100.8	101.0	2.99	97	104
Mirex	2	90.5	90.5	3.54	88	93
PCB-1016	4	77.8	78.5	3.40	73	81
PCB-1260	4	88.3	88.0	9.64	79	98
alpha-BHC	4	87.8	86.5	6.24	82	96
alpha-Chlordane	2	100.0	100.0	5.66	96	104

N = Number of observations

Std = Standard deviation

Min = Minimum percent recovery

Max = Maximum percent recovery

**Table 3-16**  
**Summary of Method Blank Results**

Sample Identification	Analyte	Concentration	Detection Limit	Result Units
BLK944334	Aluminum	0.0496	0.0523	mg/L
	Antimony	0.014	0.076	mg/L
	Arsenic	-0.00186	0.0468	mg/L
	Barium	0.00128	0.00086	mg/L
	Beryllium	0.00109	0.00051	mg/L
	Cadmium	0.00006	0.00386	mg/L
	Calcium	0.134	0.0175	mg/L
	Chromium	0.00446	0.00524	mg/L
	Cobalt	0	0.00407	mg/L
	Copper	0.00058	0.00916	mg/L
	Iron	0.0263	0.00452	mg/L
	Lead	-0.0211	0.0216	mg/L
	Magnesium	0.0373	0.0479	mg/L
	Manganese	0.0014	0.00155	mg/L
	Molybdenum	0.00423	0.00739	mg/L
	Nickel	0.00933	0.0141	mg/L
	Potassium	-0.0188	0.822	mg/L
	Selenium	0.0109	0.0891	mg/L
	Silver	-0.00606	0.00519	mg/L
	Sodium	0.0581	0.0401	mg/L
	Thallium	-0.0418	0.0833	mg/L
	Vanadium	-0.00126	0.00454	mg/L
	Zinc	0.00769	0.00402	mg/L
BLK944237	Aluminum	0.0304	0.0523	mg/L
	Antimony	-0.0223	0.076	mg/L
	Arsenic	0.00767	0.0468	mg/L
	Barium	0.00085	0.00086	mg/L
	Beryllium	0.00108	0.00051	mg/L
	Cadmium	-0.00121	0.00386	mg/L
	Calcium	0.0282	0.0175	mg/L
	Chromium	0.00084	0.00524	mg/L
	Cobalt	0.00365	0.00407	mg/L
	Copper	0.00529	0.00916	mg/L
	Iron	0.0314	0.00452	mg/L

(Continued)



## Section 3—Quality Control Results for Kalakaket Creek RRS Soil Sample Analyses

QA/QC Summary Report

Kalakaket Creek RRS and Galena Airport

Sample Identification	Analyte	Concentration	Detection Limit	Result Units
BLK944237 (continued)	Lead	-0.0167	0.0216	mg/L
	Magnesium	0.0236	0.0479	mg/L
	Manganese	0.0014	0.00155	mg/L
	Molybdenum	-0.00099	0.00739	mg/L
	Nickel	0.0166	0.0141	mg/L
	Potassium	0.0184	0.822	mg/L
	Selenium	-0.0295	0.0891	mg/L
	Silver	-0.00403	0.00519	mg/L
	Sodium	0.039	0.0401	mg/L
	Thallium	-0.0314	0.0833	mg/L
	Vanadium	-0.00006	0.00454	mg/L
	Zinc	0.00266	0.00402	mg/L
BLK944299	Aluminum	2.3	2.76	mg/kg
	Antimony	1.12	5.86	mg/kg
	Arsenic	-1.61	3.47	mg/kg
	Barium	-0.042	0.0697	mg/kg
	Beryllium	0.108	0.0329	mg/kg
	Cadmium	0.142	0.372	mg/kg
	Calcium	3.22	1.37	mg/kg
	Chromium	0.617	0.197	mg/kg
	Cobalt	0	0.538	mg/kg
	Copper	0.294	0.502	mg/kg
	Iron	1.54	0.509	mg/kg
	Lead	-1.26	2.12	mg/kg
	Magnesium	-0.222	9.63	mg/kg
	Manganese	0.14	0.492	mg/kg
	Molybdenum	0.523	0.384	mg/kg
	Nickel	0.518	1.14	mg/kg
	Potassium	5.63	44.1	mg/kg
	Selenium	3.26	5.84	mg/kg
	Silver	-0.403	0.443	mg/kg
	Sodium	4.22	3.05	mg/kg
	Thallium	-1.3	6.15	mg/kg
	Vanadium	0.037	0.292	mg/kg
	Zinc	0.274	0.347	mg/kg

(Continued)

Section 3—Quality Control Results for Kalakaket Creek RRS Soil Sample Analyses  
Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample Identification	Analyte	Concentration	Detection Limit	Result Units
BLK944282	Aluminum	2.44	2.76	mg/kg
	Antimony	-0.556	5.86	mg/kg
	Arsenic	0.071	3.47	mg/kg
	Barium	0.042	0.0697	mg/kg
	Beryllium	0.107	0.0329	mg/kg
	Cadmium	-0.244	0.372	mg/kg
	Calcium	3.89	1.37	mg/kg
	Chromium	0.166	0.197	mg/kg
	Cobalt	-0.183	0.538	mg/kg
	Copper	0.353	0.502	mg/kg
	Iron	2.12	0.509	mg/kg
	Lead	-3.58	2.12	mg/kg
	Magnesium	-0.723	9.63	mg/kg
	Manganese	0.001	0.492	mg/kg
	Molybdenum	0.282	0.384	mg/kg
	Nickel	0.518	1.14	mg/kg
	Potassium	1.88	44.1	mg/kg
	Selenium	0.31	5.84	mg/kg
	Silver	-0.605	0.443	mg/kg
	Sodium	8.44	3.05	mg/kg
	Thallium	-1.3	6.15	mg/kg
	Vanadium	0.142	0.292	mg/kg
	Zinc	0.528	0.347	mg/kg
BLK944298	Aluminum	7.07	2.76	mg/kg
	Antimony	2.8	5.86	mg/kg
	Arsenic	-1.81	3.47	mg/kg
	Barium	0.128	0.0697	mg/kg
	Beryllium	0.109	0.0329	mg/kg
	Cadmium	0.145	0.372	mg/kg
	Calcium	22.3	1.37	mg/kg
	Chromium	0.453	0.197	mg/kg
	Cobalt	-0.183	0.538	mg/kg
	Copper	0.529	0.502	mg/kg
	Iron	2.44	0.509	mg/kg
	Lead	-2.74	2.12	mg/kg
	Magnesium	2.35	9.63	mg/kg

(Continued)

## Section 3—Quality Control Results for Kalakaket Creek RRS Soil Sample Analyses

## QA/QC Summary Report

Kalakaket Creek RRS and Galena Airport

Sample Identification	Analyte	Concentration	Detection Limit	Result Units
BLK944298 (continued)	Manganese	0.279	0.492	mg/kg
	Molybdenum	0.722	0.384	mg/kg
	Nickel	0.83	1.14	mg/kg
	Potassium	20.7	44.1	mg/kg
	Selenium	-3.88	5.84	mg/kg
	Silver	-0.202	0.443	mg/kg
	Sodium	7.4	3.05	mg/kg
	Thallium	-4.96	6.15	mg/kg
	Vanadium	-0.199	0.292	mg/kg
	Zinc	1.56	0.347	mg/kg
BLK944429	Aluminum	-0.00799	0.0523	mg/L
	Antimony	-0.0179	0.076	mg/L
	Arsenic	-0.0104	0.0468	mg/L
	Barium	-0.00044	0.00086	mg/L
	Beryllium	0.00005	0.00051	mg/L
	Cadmium	0.0009	0.00386	mg/L
	Calcium	0.0276	0.0175	mg/L
	Chromium	-0.00464	0.00524	mg/L
	Cobalt	-0.00698	0.00407	mg/L
	Copper	-0.00064	0.00916	mg/L
	Iron	0.00158	0.00452	mg/L
	Lead	-0.011	0.0216	mg/L
	Magnesium	-0.0142	0.0479	mg/L
	Manganese	-0.00211	0.00155	mg/L
	Molybdenum	-0.00502	0.00739	mg/L
	Nickel	0.00481	0.0141	mg/L
	Potassium	-0.679	0.822	mg/L
	Selenium	0.0079	0.0891	mg/L
	Silver	0.0015	0.00519	mg/L
	Sodium	0.0355	0.0401	mg/L
	Thallium	-0.0369	0.0833	mg/L
	Vanadium	-0.00811	0.00454	mg/L
	Zinc	0.00525	0.00402	mg/L

Table 3-17  
Summary of Metals Results for Method Blanks, Equipment Blanks, and Samples

Analyte	Method Blanks $\mu\text{g/Kg}$ (3)			Equipment Blanks $\text{ng/L}$ (3)			Samples $\mu\text{g/Kg}$ (24)		
	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max
Aluminum	3.93	2.3	7.07	0.026	0.00993	0.0517	16741	7350	46200
Antimony	1.12	-0.556	2.8	0.005	-0.00666	0.0134	10.9	-10.7	257
Arsenic	-1.11	-1.81	0.071	-0.013	-0.0321	0.00571	4.76	-26.2	41.7
Barium	0.043	-0.042	0.128	0.001	0	0.00256	442	125	1610
Beryllium	0.108	0.107	0.109	0.000	0.00002	0.00055	0.399	0.0887	0.803
Cadmium	0.014	-0.244	0.145	0.000	-0.00087	0.00161	0.207	-0.712	1.13
Calcium	9.80	3.22	22.3	0.067	0.0501	0.0886	8641	1240	37700
Chromium	0.412	0.166	0.617	-0.001	-0.00331	0.00138	31.7	11.6	118
Cobalt	-0.122	-0.183	0	-0.002	-0.00366	0	14.2	4.53	40.1
Copper	0.392	0.294	0.529	0.002	0.00129	0.00194	79.2	21.9	226
Iron	2.03	1.54	2.44	0.024	0.0163	0.0385	31387	16200	91600
Lead	-2.52	-3.58	-1.26	-0.006	-0.017	0.00455	44.9	0.789	219
Magnesium	0.468	-0.723	2.35	-0.005	-0.0435	0.0183	6305	1900	13500
Manganese	0.140	0.001	0.279	0.002	0.00106	0.00212	583	169	2370
Molybdenum	0.509	0.282	0.722	-0.000	-0.00703	0.00523	2.11	-0.276	5.52
Nickel	0.622	0.518	0.83	0.009	-0.0008	0.0192	28.5	10.5	72.4
Potassium	9.40	1.88	20.7	0.061	-0.312	0.279	1089	691	1880
Selenium	-0.103	-3.88	3.26	-0.012	-0.0527	0.0372	-3.49	-19.8	12.4
Silver	-0.403	-0.605	-0.20	0.000	-0.00201	0.00152	0.389	-1.09	17.5
Sodium	6.68	4.22	8.44	0.236	0.0452	0.608	210	20.4	2960
Thallium	-2.52	-4.96	-1.3	-0.009	-0.0438	0.0116	-2.414	-13.1	6.54
Vanadium	-0.007	-0.199	0.142	-0.003	-0.00484	-0.00079	60.6	19.2	117
Zinc	0.787	0.274	1.56	0.090	0.00544	0.256	147	47.6	371

0 = Number of observations  
Min = Minimum analytical measurement result  
Max = Maximum analytical measurement result

**Table 3-18**  
**Summary of Equipment Blank Results**

Sample Identification	Analyte	Concentration	Detection Limit	Result Units
KAL94-PS-SS-02-EB	Aluminum	0.0517	0.0523	mg/L
	Antimony	0.00839	0.076	mg/L
	Arsenic	-0.0321	0.0468	mg/L
	Barium	0.00256	0.00086	mg/L
	Beryllium	0.00055	0.00051	mg/L
	Cadmium	0.00161	0.00386	mg/L
	Calcium	0.0886	0.0175	mg/L
	Chromium	0.00009	0.00524	mg/L
	Cobalt	-0.00366	0.00407	mg/L
	Copper	0.00176	0.00916	mg/L
	Iron	0.0385	0.00452	mg/L
	Lead	-0.017	0.0216	mg/L
	Magnesium	0.0183	0.0479	mg/L
	Manganese	0.00141	0.00155	mg/L
	Molybdenum	0.00523	0.00739	mg/L
	Nickel	0.00726	0.0141	mg/L
	Potassium	0.216	0.822	mg/L
	Selenium	0.0372	0.0891	mg/L
	Silver	-0.00201	0.00519	mg/L
	Sodium	0.608	0.0401	mg/L
	Thallium	0.00525	0.0833	mg/L
	Vanadium	-0.00079	0.00454	mg/L
	Zinc	0.256	0.00402	mg/L
KAL94-VM-SS-02-EB	Aluminum	0.0177	0.0523	mg/L
	Antimony	-0.00666	0.076	mg/L
	Arsenic	0.00571	0.0468	mg/L
	Barium	0.00044	0.00086	mg/L
	Beryllium	0.00052	0.00051	mg/L
	Cadmium	-0.00087	0.00386	mg/L
	Calcium	0.0631	0.0175	mg/L
	Chromium	-0.00331	0.00524	mg/L
	Cobalt	-0.00139	0.00407	mg/L
	Copper	0.00129	0.00916	mg/L
	Iron	0.0184	0.00452	mg/L
	Lead	0.00455	0.0216	mg/L

(Continued)

Section 3—Quality Control Results for Kalakaket Creek RRS Soil Sample Analyses  
Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample Identification	Analyte	Concentration	Detection Limit	Result Units
KAL94-VM-SS-02-EB (continued)	Magnesium	-0.0435	0.0479	mg/L
	Manganese	0.00212	0.00155	mg/L
	Molybdenum	0.00141	0.00739	mg/L
	Nickel	-0.0008	0.0141	mg/L
	Potassium	-0.312	0.822	mg/L
	Selenium	-0.0527	0.0891	mg/L
	Silver	0.00075	0.00519	mg/L
	Sodium	0.0538	0.0401	mg/L
	Thallium	0.0116	0.0833	mg/L
	Vanadium	-0.00484	0.00454	mg/L
	Zinc	0.00879	0.00402	mg/L
KAL94-DA-SS-01-EB	Aluminum	0.00993	0.0523	mg/L
	Antimony	0.0134	0.076	mg/L
	Arsenic	-0.0127	0.0468	mg/L
	Barium	0	0.00086	mg/L
	Beryllium	0.00002	0.00051	mg/L
	Cadmium	0.00024	0.00386	mg/L
	Calcium	0.0501	0.0175	mg/L
	Chromium	0.00138	0.00524	mg/L
	Cobalt	0	0.00407	mg/L
	Copper	0.00194	0.00916	mg/L
	Iron	0.0163	0.00452	mg/L
	Lead	-0.00462	0.0216	mg/L
	Magnesium	0.0101	0.0479	mg/L
	Manganese	0.00106	0.00155	mg/L
	Molybdenum	-0.00703	0.00739	mg/L
	Nickel	0.0192	0.0141	mg/L
	Potassium	0.279	0.822	mg/L
	Selenium	-0.0198	0.0891	mg/L
	Silver	0.00152	0.00519	mg/L
	Sodium	0.0452	0.0401	mg/L
	Thallium	-0.0438	0.0833	mg/L
	Vanadium	-0.00354	0.00454	mg/L
	Zinc	0.00544	0.00402	mg/L

Table 3-19  
Summary of Matrix Spike and Matrix Spike Duplicate Results

Sample	Analyte	Accuracy Objective (% Rec <sup>a</sup> )	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD <sup>b</sup> )	RPD	Precision Acceptability
KAL94-AM-SS-01	Aluminum	75-125	96	108	yes	35	12	yes
	Antimony	75-125	49	54	no	35	9.7	yes
	Arsenic	75-125	74	88	yes	35	17	yes
	Barium	75-125	93	96	yes	35	3.2	yes
	Beryllium	75-125	91	91	yes	35	0	yes
	Cadmium	75-125	79	78	yes	35	1.3	yes
	Calcium	75-125	75	90	yes	35	18	yes
	Chromium	75-125	78	81	yes	35	3.8	yes
	Cobalt	75-125	86	82	yes	35	4.8	yes
	Copper	75-125	89	89	yes	35	0	yes
	Iron	75-125	152	85	yes	35	56	no
	Lead	75-125	79	79	yes	35	0	yes
	Magnesium	75-125	100	88	yes	35	13	no
	Manganese	75-125	292	86	yes	35	109	no
	Molybdenum	75-125	87	87	yes	35	0	yes
	Nickel	75-125	86	77	yes	35	11	yes
	Potassium	75-125	85	86	yes	35	1.2	yes
	Selenium	75-125	84	82	yes	35	2.4	yes
	Silver	75-125	80	80	yes	35	0	yes
	Sodium	75-125	89	89	yes	35	0	yes
	Thallium	75-125	81	79	yes	35	2.5	yes
	Vanadium	75-125	86	87	yes	35	1.2	yes
	Zinc	75-125	81	80	yes	35	1.2	yes

(Continued)



Section 3—Quality Control Results for Kalakaket Creek RRS Soil Sample Analyses  
Kalakaket Creek RRS and Galena Airport

QA/QC Summary Report

Sample	Analyte	Accuracy Objective (% Rec <sup>a</sup> )	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD <sup>b</sup> )	RPD	Precision Acceptability
KAL94-DA-SS-02	Aluminum	75-125	136	91	yes	35	40	no
	Antimony	75-125	57	71	no	35	22	yes
	Arsenic	75-125	80	76	yes	35	5.1	yes
	Barium	75-125	92	-10	yes	35	249	no
	Beryllium	75-125	95	95	yes	35	0	yes
	Cadmium	75-125	81	82	yes	35	1.2	yes
	Calcium	75-125	154	92	yes	35	50	no
	Chromium	75-125	86	85	yes	35	1.2	yes
	Cobalt	75-125	85	84	yes	35	1.2	yes
	Copper	75-125	91	114	yes	35	22	yes
	Iron	75-125	54	172	no	35	104	no
	Lead	75-125	79	81	yes	35	2.5	yes
	Magnesium	75-125	94	78	yes	35	19	yes
	Manganese	75-125	114	150	yes	35	27	yes
	Molybdenum	75-125	90	90	yes	35	0	yes
	Nickel	75-125	83	87	yes	35	4.7	yes
	Potassium	75-125	94	87	yes	35	7.7	yes
	Selenium	75-125	96	83	yes	35	14	yes
	Silver	75-125	83	84	yes	35	1.2	yes
	Sodium	75-125	93	94	yes	35	1.1	yes
	Thallium	75-125	84	85	yes	35	1.2	yes
	Vanadium	75-125	92	88	yes	35	4.4	yes
	Zinc	75-125	70	86	yes	35	20	yes

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

MS = Matrix Spike

MSD = Matrix Spike Duplicate



**Table 3-20**  
**Summary of Solid Laboratory Control Sample Recoveries**  
**Analyzed with Soil Samples**

Analyte	N	Mean	Median	Std	Min	Max
Aluminum	6	97.5	100.5	6.35	88	103
Antimony	6	111.5	112.0	23.8	80	145
Arsenic	6	92.5	94.0	5.92	82	99
Barium	6	99.2	98.5	1.94	97	102
Beryllium	6	99.8	99.0	1.72	98	102
Cadmium	6	95.8	96.0	0.98	94	97
Calcium	6	101.0	100.5	1.26	100	103
Chromium	6	94.7	94.5	2.50	92	98
Cobalt	6	98.3	98.0	1.37	97	100
Copper	6	96.5	96.0	1.64	95	99
Iron	6	107.8	108.5	4.71	101	114
Lead	6	89.0	89.5	1.79	86	91
Magnesium	6	104.5	104.0	2.51	102	108
Manganese	6	99.8	99.0	2.14	98	103
Molybdenum	6	102.0	102.5	1.67	100	104
Nickel	6	99.7	99.5	1.21	98	101
Potassium	6	100.5	101.0	3.51	96	105
Selenium	6	92.7	91.0	4.41	89	101
Silver	6	89.7	90.0	1.37	88	91
Sodium	6	100.5	101.0	2.17	98	103
Thallium	6	98.0	98.0	2.45	94	101
Vanadium	6	98.8	98.0	1.72	97	101
Zinc	6	95.8	95.5	0.98	95	97

N = Number of observations

Std = Standard deviation

Min = Minimum percent recovery

Max = Maximum percent recovery

**Table 3-21**  
**Summary of Liquid Laboratory Control Sample Recoveries**

Analyte	N	Mean	Median	Std	Min	Max
Aluminum	12	93.4	92.5	4.56	88	100
Antimony	12	90.8	89.5	6.51	81	102
Arsenic	12	89.5	87.5	6.71	78	100
Barium	12	95.3	95.0	3.20	91	101
Beryllium	12	98.4	98.5	5.66	92	109
Cadmium	12	86.5	84.0	5.71	81	96
Calcium	12	96.7	94.5	4.94	91	103
Chromium	12	90.2	88.0	4.43	86	97
Cobalt	12	89.7	88.0	4.62	84	97
Copper	12	93.7	93.5	3.47	90	100
Iron	12	92.6	91.5	4.06	88	98
Lead	12	85.5	86.0	6.96	76	94
Magnesium	12	94.7	94.5	4.36	89	101
Manganese	12	89.8	88.0	4.61	85	96
Molybdenum	12	95.1	93.5	3.68	91	101
Nickel	12	91.7	90.5	5.25	86	102
Potassium	12	94.8	95.0	3.19	91	99
Selenium	12	88.8	87.5	5.98	80	98
Silver	12	83.5	83.0	5.63	73	92
Sodium	12	94.8	94.5	3.49	90	99
Thallium	12	88.0	87.5	4.88	81	96
Vanadium	12	92.1	91.0	3.87	88	98
Zinc	12	88.3	85.5	6.50	82	99

N = Number of observations  
 Std = Standard deviation  
 Min = Minimum percent recovery  
 Max = Maximum percent recovery

**Table 3-22**  
**Summary of AK101 Blank Results**

Sample Identification	Analyte	Concentration	Reporting Limit	Result Units
METHOD BLANK	Gasoline Range Organics	0	5	mg/kg
KAL94-TB-09		0	50	µg/L
METHOD BLANK		0	5	mg/kg
KAL94-VM-SS-02-EB		0	50	µg/L
KAL94-DA-SS-01-EB		0	50	µg/L
KAL94-TB-12		0	50	µg/L

**Table 3-23**  
**Summary of Gasoline Range Organics Surrogate Spike Recoveries**

Sample	Trifluorotoluene (60-120%)	Accuracy Acceptable
KAL94-AD-SS-01	88	yes
KAL94-AD-SS-02	81	yes
KAL94-DA-SS-01	89	yes
KAL94-DA-SS-01-EB	97	yes
KAL94-DA-SS-02	90	yes
KAL94-DA-SS-03	89	yes
KAL94-DA-SS-04	77	yes
KAL94-DA-SS-05	92	yes
KAL94-DA-SS-06	90	yes
KAL94-DT-SS-01	89	yes
KAL94-DT-SS-02	77	yes
KAL94-DT-SS-03	89	yes
KAL94-EQ-SS-01	89	yes
KAL94-EQ-SS-02	95	yes
KAL94-EQ-SS-03	86	yes
KAL94-EQ-SS-04	88	yes
KAL94-GT-SS-01	85	yes
KAL94-SO-SS-01	90	yes
KAL94-TB-09	96	yes
KAL94-TB-12	88	yes
KAL94-TD-SS-01	89	yes
KAL94-TD-SS-02	80	yes
KAL94-TG-SS-01	85	yes
KAL94-VM-SS-01	89	yes
KAL94-VM-SS-02	89	yes
KAL94-VM-SS-02-EB	97	yes
KAL94-VM-SS-03	89	yes
KAL94-VM-SS-04	91	yes
KAL94-WP-SS-01	92	yes

Table 3-24  
Summary of Matrix Spike and Laboratory Control Sample Results for Gasoline Range Organics

Analytical Batch	Sample	Accuracy Objective (% Rec) <sup>a</sup>	(% Rec)	Accuracy Acceptability	Precision Objective (RPD) <sup>b</sup>	RPD	Precision Acceptability
58743A	LCS	75-125	90	yes	20	5	yes
	LCSD	75-125	95	yes			
	KAL94-DT-SS-02 MS	60-120	103	yes	20	4	yes
	KAL94-DT-SS-02 MSD	60-120	107	yes			
58758A	LCS	75-125	91	yes	20	6	yes
	LCSD	75-125	86	yes			
	KAL94-DA-SS-02 MS	60-120	87	yes	20	12	yes
	KAL94-DA-SS-02 MSD	60-120	77	yes			

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 3-25**  
**Summary of AK102 Blank Results**

Sample Identification	Analyte	Concentration	Reporting Limit	Result Units
Method Blank	Diesel Range Organics	0	4	mg/kg
Method Blank		0	4	mg/kg
KAL94-VM-SS-02-EB		78	100	µg/L
KAL94-DA-SS-01-EB		72	100	µg/L

**Table 3-26**  
**Summary of Field Sample Results and Surrogate Spike Recoveries for Diesel Range Organics**

Sample	DRO (mg/Kg)	Tetracosane (60-120%)
KAL94-AD-SS-01	120	147
KAL94-AD-SS-02	8,400	0 <sup>a</sup>
KAL94-DA-SS-01	7,200	0 <sup>a</sup>
KAL94-DA-SS-01-EB	72	87
KAL94-DA-SS-02	6	124
KAL94-DA-SS-03	1	80
KAL94-DA-SS-04	32,000	0 <sup>a</sup>
KAL94-DA-SS-05	36,000	0 <sup>a</sup>
KAL94-DA-SS-06	990	0 <sup>a</sup>
KAL94-DT-SS-01	11	141
KAL94-DT-SS-02	1,600	176 <sup>b</sup>
KAL94-DT-SS-03	1,500	810 <sup>b</sup>
KAL94-EQ-SS-01	2,400	2,800 <sup>b</sup>
KAL94-EQ-SS-02	3,600	5,000 <sup>b</sup>
KAL94-EQ-SS-03	1,000	780 <sup>b</sup>
KAL94-EQ-SS-04	160	390 <sup>b</sup>
KAL94-GT-SS-01	56	121
KAL94-SO-SS-01	1,400	1,100 <sup>b</sup>
KAL94-TD-SS-01	270	0 <sup>a</sup>
KAL94-TD-SS-02	23	104
KAL94-TG-SS-01	7	96
KAL94-VM-SS-01	23,000	0 <sup>a</sup>
KAL94-VM-SS-02	900	0 <sup>a</sup>
KAL94-VM-SS-02-EB	78	76
KAL94-VM-SS-03	8,700	0 <sup>a</sup>
KAL94-VM-SS-04	7,300	0 <sup>a</sup>
KAL94-WP-SS-01	7,100	0 <sup>a</sup>

<sup>a</sup> No recovery, surrogate diluted out.

<sup>b</sup> Matrix interference.

**Table 3-27**  
**Summary of Matrix Spike and Laboratory Control Sample Results for Diesel Range Organics**

Analytical Batch	Sample	Accuracy Objective (% Rec) <sup>a</sup>	(% Rec)	Accuracy Acceptability	Precision Objective (RPD) <sup>b</sup>	RPD	Precision Acceptability
58743A	LCS	75-125	117	yes	20	5	yes
	LCSD	75-125	99	yes			
	KAL94-DT-SS-02 MS	60-120	58	no	20	4	yes
	KAL94-DT-SS-02 MSD	60-120	33	no			
58758A	LCS	75-125	61	no	20	6	yes
	LCSD	75-125	76	yes			
	KAL94-DA-SS-02 MS	60-120	61	yes	20	12	yes
	KAL94-DA-SS-02 MSD	60-120	61	yes			

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

MS = Matrix Spike

MSD = Matrix Spike Duplicate



## Section 4

# QUALITY CONTROL RESULTS FOR GALENA AIRPORT WATER SAMPLE ANALYSES

QC procedures and activities implemented during this program provide a basis for estimating data precision and accuracy. QC procedures associated with investigative water samples included the analysis of laboratory and field blanks, matrix and surrogate spikes, and LCSs. Results of these analyses are discussed in this section.

### 4.1 Volatile Organics by SW-846 Method 8260

All sample analyses were performed within the EPA- and project QAPP-specified maximum holding time requirements.

**Method Blank Sample Results**—Method blanks (see Table 4-1) were analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blank samples analyzed did not have any target analytes reported at or above the QAPP acceptance limits. There were several compounds (i.e., methylene chloride, acetone, chloromethane, benzene, toluene) reported at low concentrations near the sample-specific detection limits. However, the concentrations reported for these analytes were within the acceptance criteria specified in the QAPP and required no corrective action by the laboratory. Overall, the results of these analyses indicate that no significant contaminant contribution from handling, preparation, or analyses occurred in the laboratory.

**Ambient Blank Sample Results**—An ambient blank (see Table 4-1) was analyzed to assess potential background contamination at the site. The ambient blank analyzed did not have any target analytes reported at or above the

QAPP acceptance limits. There were several compounds (i.e., methylene chloride, acetone, chloromethane, benzene, toluene, styrene, etc.) reported at low concentrations near the sample-specific detection limits. However, the concentrations reported for these analytes were within the acceptance criteria specified in the QAPP. Overall, the results of these analyses indicate that there was no significant contaminant contribution from ambient site conditions.

**Trip Blank Sample Results**—One trip blank was collected and analyzed for each sampling day. The trip blanks accompanied the samples shipped to the laboratory so that the samples could be monitored for potential contamination during sampling, storage or transport of the samples. The results for the trip blanks are summarized in Table 4-1. The trip blanks had similar levels of compounds that were detected in the method blanks. However, these concentrations were less than the acceptance limits in the QAPP. Overall, these results may be attributed to laboratory contamination and do not indicate significant contamination of samples from sampling, storage, or transport of the field samples.

**Surrogate Recoveries**—Three surrogate standards (toluene-d8, 1-bromo-4-fluorobenzene, and 1,2-dichloroethane-d4) were added to every sample analyzed for volatile organics. The surrogates were used to monitor purging efficiency and to provide an estimate of analytical measurement accuracy. The surrogate recoveries for the field samples were within the laboratory control limits for 1,4-bromofluorobenzene (74%-121%), 1,2-dichloroethane-d4 (70%-121%), and toluene-d8 (81%-117%). The surrogate recover-

ies for the field samples and equipment and trip blanks are listed in Table 4-2. Overall, the surrogate recoveries indicate that the analytical systems were in control at the time of sample analysis.

**Matrix Spike Results**—Four samples were selected for spiking with five VOCs to assess matrix effects on analyte recovery. The samples were spiked with benzene, chlorobenzene, 1,1-dichloroethene, toluene, and trichloroethene. The percent recovery for all of the spike compounds was acceptable for both MS and MSD recoveries. The RPD for the MS/MSD pairs demonstrate excellent method precision. The percent recoveries and RPD for the MS and MSD samples are summarized in Table 4-3.

**Laboratory Control Sample Results**—An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field samples. The results of the two LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for the LCS and LCS duplicate samples. The LCS results analyzed with the samples are summarized in Table 4-4, which includes the analyte, number of observations, mean, median, standard deviation, minimum percent recovery, and maximum percent recovery. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Five field samples were collected in duplicate and submitted to the laboratory for analyses. There were

several analytes detected at similar concentrations in both the normal sample and the field duplicate pair; however, many of the analytes were detected at concentrations less than 1  $\mu\text{g/L}$ . The RPD (see Table 4-5) for the detected compounds indicate acceptable sampling and analytical precision.

#### 4.2 Semivolatile Organics by SW-846 Method 8270

All sample preparation and analyses were performed within the EPA- and project QAPP-specified maximum holding time requirements.

**Method Blank Results**—Method blanks were analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blanks did not have any semivolatile compounds reported at or below the stated detection limits. The results of these analyses indicate that no significant contribution of contaminants from handling, preparation, or analyses occurred in the laboratory. A summary of the blanks analyzed with the field samples is provided in Table 4-6.

**Surrogate Recoveries**—Six surrogate standards were added to every sample analyzed for semivolatile organics. The surrogates spiked in the samples were 2-fluorobiphenyl, 2-fluorophenol, nitrobenzene-d5, phenol-d5, terphenyl-d14, and 2,4,6-tribromophenol. The surrogate recoveries were within the laboratory control limits for 2-fluorobiphenyl (54%-115%), 2-fluorophenol (46%-119%), nitrobenzene-d5 (49%-120%), phenol-d5 (50%-122%), terphenyl-d14 (53%-153%), and 2,4,6-tribromophenol (19%-122%). The surrogate recoveries for the field samples and equipment blank are summarized in Table 4-7. These surrogate recoveries indicate that the analytical systems were in control at the time of sample analysis.

**Matrix Spike Results**—Four samples were selected for spiking with 11 semivolatile compounds to assess matrix effects on analyte recovery. The percent recovery for all of the spike compounds was acceptable for both MS and MSD recoveries. The RPD for the MS/MSD pairs demonstrate excellent method precision. The percent recoveries and RPD for the MS and MSD samples are summarized in Table 4-8.

**Laboratory Control Sample Results**—An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field samples. Results of LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for the LCS and LCS duplicate samples. All the RPD for the LCS and LCS duplicate samples were within the laboratory control limits. The LCS results are summarized in Table 4-9, which includes the analyte, number of observations, mean, median, standard deviation, minimum percent recovery, and maximum percent recovery. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Five samples were collected in duplicate and submitted to the laboratory for analyses. Two field sample pairs had no target semivolatile compounds detected. Two field sample pairs had one analyte detected; however, the concentrations were below the QAPP reporting limits. Finally, one field sample had bis(2-ethylhexyl)phthalate detected in both samples at similar concentrations. The concen-

trations detected in the original and field duplicate sample and the RPD values are summarized in Table 4-10.

#### **4.3 Organochlorine Pesticides and Polychlorinated Biphenyls by SW-846-Method 8080**

All sample preparation and analyses were performed within the EPA- and project QAPP-specified maximum holding time requirements.

**Method Blank Results**—Method blanks were analyzed with each analytical batch to assess potential background contamination in the laboratory. Two of the five method blanks had low levels (see Table 4-11) of one target analyte detected. However, these values are below the acceptance requirements of the QAPP; consequently, the data are acceptable.

**Surrogate Recoveries**—Two surrogate standards were added to every sample analyzed for organochlorine pesticides and PCBs. The surrogates spiked in the samples were dibutylchlorendate and 2,4,5,6-tetrachloro-m-xylene. All surrogate recoveries on the primary column were within the laboratory control limits for dibutylchlorendate (20%-150%) and 2,4,5,6-tetrachloro-m-xylene (20%-150%). The surrogate recoveries in the field samples and equipment blanks are summarized in Table 4-12. These results indicate that the analytical systems were in control at the time of sample analysis.

**Matrix Spike Results**—Four samples were selected for spiking with six organochlorine pesticides to assess matrix effects on analyte recovery. The samples were spiked with aldrin,  $\gamma$ -BHC, 4,4'-DDT, dieldrin, endrin, and heptachlor. The percent recoveries were acceptable for both MS and MSD recoveries. The RPD for the MS/MSD recoveries indicate acceptable

method precision. The percent recoveries and RPD for the MS and MSD samples are summarized in Table 4-13.

**Laboratory Control Sample Results**—An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling process as those for the field samples. Results of LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for the LCS and LCS duplicate samples, except for endrin aldehyde. All the RPD for the LCS and LCS duplicate samples were within the laboratory control limits, except for endrin aldehyde. The LCS results are summarized in Table 4-14, which includes the analyte, number of observations, mean, median, standard deviation, minimum percent recovery, and maximum percent recovery. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Five samples were collected in duplicate and submitted to the laboratory for organochlorine pesticides and PCBs analysis. The analytes reported were near the stated detection limits. The absolute difference between the field duplicate pairs demonstrated acceptable precision in the analytical and field collection process. The analytical measurement results and calculated RPD values are summarized in Table 4-15.

#### 4.4 Inductively Coupled Plasma Emission Spectroscopy Metals Analyses

Samples were collected and analyzed for aluminum, antimony, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, magnesium, manganese, molybdenum, nickel,

potassium, selenium, silver, sodium, thallium, vanadium, and zinc by SW-846 Method 6010. All sample preparation and analyses were performed within the EPA- and project QAPP-specified maximum holding time requirements.

**Method Blank Results**—Method blanks were analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blanks reported had low levels of target analytes detected slightly above or below the stated detection limits. The individual measurement results for the method blanks are summarized in Table 4-16. The measurement values are within the QAPP criteria; consequently, the method blank results were acceptable. Additionally, Table 4-17 compares the mean, minimum, and maximum concentrations of the method blanks and field (normal) samples. Overall, the results of these analyses indicate that no significant contaminant contribution from handling, preparation, or analyses occurred in the laboratory. However, data users are encouraged to review low levels (concentrations near the detection limit) of metals reported relative to the concentration detected in the method blanks to determine the reasonability of data prior to making final conclusions.

**Matrix Spike Results**—Three samples were selected for spiking with the target compounds to assess matrix effects on metals recovery. The majority of the spike compounds were within laboratory control limits for both MS and MSD recoveries. The MSD results demonstrate excellent method precision. The LCS/LCS duplicate samples were in control for each batch when the percent recoveries or the RPD for the MS/MSD samples were not within the control limits. The MS and MSD recoveries and calculated RPD values are summarized in Table 4-18.

**Laboratory Control Sample Results**—LCS and LCS duplicate samples were analyzed with each analytical batch. These samples were processed through the same sample handling procedures as those for the field samples. Results of LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for the LCS and LCS duplicate samples, except for silver. However, an additional LCS was analyzed for silver that was within the control limits. The LCS results are summarized in Table 4-19, which includes the analyte, number of observations, mean, median, standard deviation, minimum percent recovery, and maximum percent recovery. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—One sample was collected in duplicate and submitted to the laboratory for analyses. When the target analytes were above the detection limits, they were reported at the same relative concentrations. Overall, the results indicate acceptable precision of the field collection and analytical measurement systems. The duplicate pair results and RPD are summarized in Table 4-20.

#### 4.5 Furnace Metals Analyses

Samples were collected and analyzed for arsenic by SW-846 Method 7060 and lead by SW-846 Method 7421. All sample preparation and analyses were performed within the EPA- and project QAPP-specified maximum holding time requirements.

**Method Blank Results**—Method blanks were analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blanks reported did not

have either arsenic or lead detected above the stated detection limits. The individual measurement results for the method blanks are summarized in Table 4-21. The results of these analyses indicate that no significant contribution of metals from handling, preparation, or analyses occurred in the laboratory.

**Matrix Spike Results**—Four samples for arsenic and three samples for lead were selected for spiking with the target compounds to assess matrix effects on metals recovery. The spike compounds were within laboratory control limits for both MS and MSD recoveries. The MSD results demonstrate excellent method precision. The MS and MSD recoveries and calculated RPD values are summarized in Table 4-22.

**Laboratory Control Sample Results**—LCS and LCS duplicate samples were analyzed with each analytical batch. These samples were processed through the same sample handling procedures as those for the field samples. Results of LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for the LCS and LCS duplicate samples. All the RPD for the LCS and LCS duplicate samples were within the laboratory control limits. The LCS results are summarized in Table 4-23, which includes the analyte, number of observations, mean, median, standard deviation, minimum percent recovery, and maximum percent recovery. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—One sample was collected in duplicate and submitted to the laboratory for analyses. Arsenic and lead were not detected above the QAPP reporting limits;



consequently, method precision cannot be estimated from these data. The duplicate pair results and RPD are summarized in Table 4-24.

#### **4.6 Alaska Method AK101.0 for Gasoline Range Organics**

All sample preparation and analyses were performed within method requirements and the project QAPP-specified maximum holding time requirements.

**Method Blank Results**—A method blank was analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blank (Table 4-25) did not have any GRO detected at or above the stated reporting limit. The results of this analysis indicate that no significant contribution of GRO because of handling, preparation, or analyses occurred in the laboratory.

**Trip Blank Sample Results**—One trip blank was collected and analyzed for each sampling day. The trip blanks accompanied the samples shipped to the laboratory so that the samples could be monitored for potential contamination during sampling, storage, or transport. The results for the trip blanks are summarized in Table 4-25. GRO were not detected in the trip blanks above the reporting limit. The trip blank results indicate no significant contamination of samples from sampling, storage, or transport of the field samples.

**Surrogate Recoveries**—A surrogate standard (trifluorotoluene) was added to every sample analyzed for GRO. The surrogate recoveries were within the QAPP acceptance limits of 60%-120%, except when the laboratory noted sample matrix interference. The surrogate recoveries for the field samples and trip blanks are summarized in Table 4-26. These surrogate

recoveries indicate that the analytical systems were in control at the time of sample analysis.

**Matrix Spike Results**—Four samples were selected for spiking with GRO to assess matrix effects on analyte recovery. The percent recovery for the spike samples was acceptable for both MS and MSD recoveries. The RPD for the MS/MSD pairs demonstrate acceptable method precision. The percent recoveries and RPD for the MS and MSD samples are summarized in Table 4-27.

**Laboratory Control Sample Results**—An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field samples. The results of the LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for the LCS and LCS duplicate samples. The LCS results are summarized in Table 4-27. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Five field samples were collected in duplicate and submitted to the laboratory for analyses. GRO were detected at the same relative concentrations in the field duplicate pairs. Overall, the results indicate acceptable precision of the field collection and analytical measurement systems. The duplicate pair results and RPD are summarized in Table 4-28.

#### **4.7 Alaska Method AK102.0 for Diesel Range Organics**

All sample preparation and analyses were performed within method requirements and the

project QAPP-specified maximum holding time requirements.

**Method Blank Results**—A method blank was analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blanks (Table 4-29) did not have any DRO detected at or above the stated reporting limit. The results of this analysis indicate that no significant contribution of GRO because of handling, preparation, or analyses occurred in the laboratory.

**Surrogate Recoveries**—A surrogate standard (tetracosane) was added to every sample analyzed for DRO. Six surrogate recoveries were not within the QAPP acceptance limits of 60%-120%. The surrogates for three of the method blanks and two samples were recovered slightly below the percent recovery acceptance criteria. The surrogate recovery for one matrix spike sample was above the acceptance criteria. In addition, one surrogate was diluted out because of high concentrations of extractable organics in the field sample. The DRO surrogate recoveries for the field samples are summarized in Table 4-30.

**Matrix Spike Results**—Four samples were selected for spiking with DRO to assess matrix effects on analyte recovery. The percent recovery for the DRO spike samples was slightly low in one of the four spike samples. However, the recoveries were within 8% of the low control limit, which may indicate matrix interference. The RPD for the MS/MSD pairs demonstrate acceptable method precision. The percent recoveries and RPD for the MS and MSD samples are summarized in Table 4-31.

**Laboratory Control Sample Results**—An LCS and LCS duplicate sample were

analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field samples. The results of the LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. The target analytes were recovered within the laboratory control limits for two of the three LCS/LCS pairs reported by the laboratory. The LCS/LCSD pairs with recoveries of 54%/57% and 52%/53% were slightly below the QAPP limits. The LCS results are summarized in Table 4-31. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Five field samples were collected in duplicate and submitted to the laboratory for analyses. DRO were detected at the same relative concentrations in the field duplicate pairs. Overall, the results indicate acceptable precision of the field collection and analytical measurement systems. The duplicate pair results and RPD are summarized in Table 4-32.

#### 4.8 Alkalinity by Standard Methods 403

All sample preparation and analyses were performed within method requirements and the project QAPP-specified maximum holding time requirements.

**Field Duplicate Analysis**—Five field samples were collected in duplicate and submitted to the laboratory for analyses. Alkalinity was measured at the same concentrations in the field duplicate pairs. Overall, the results indicate acceptable precision of the field collection and analytical measurement systems. The duplicate pair results and RPD are summarized in Table 4-33.

**Table 4-1**  
**Summary of GC/MS Volatile Blank Results**

Sample Identification	Analyte	Concentration (µg/L)	Detection Limit (µg/L)
BLK944042	Chloromethane	0.1	0.155
	Acetone	3.38	2.09
	Methylene chloride	0.71	0.151
	Benzene	0.04	0.0307
	Toluene	0.03	0.0336
G94-TB-01	Acetone	12.5	2.09
	Methylene chloride	0.99	0.151
	2-Butanone (MEK)	3.55	0.89
	Benzene	0.02	0.0307
	Toluene	0.05	0.0336
G94-AB-01	Acetone	2.57	2.09
	Methylene chloride	2.83	0.151
	Chloroform	0.85	0.0363
	Benzene	0.12	0.0307
	Toluene	0.23	0.0336
	Ethyl benzene	0.05	0.11
	Meta- & Para-Xylene	0.19	0.365
	Styrene	0.05	0.113
	Ortho-Xylene	0.09	0.124
BLK944050	Acetone	2.88	2.09
	Methylene chloride	0.17	0.151
	Benzene	0.03	0.0307
G94-TB-03	Chloromethane	0.09	0.155
	Acetone	11.8	2.09
	Methylene chloride	0.48	0.151
	Benzene	0.02	0.0307
	Toluene	0.06	0.0336
G94-TB-02	Acetone	10.5	2.09
	Methylene chloride	0.45	0.151

(Continued)



Section 4—Quality Control Results for Galena Airport Water Sample Analyses  
 Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample Identification	Analyte	Concentration (µg/L)	Detection Limit (µg/L)
G94-TB-02 (continued)	2-Butanone (MEK)	3.42	0.89
	Benzene	0.03	0.0307
	Dibromomethane	0.2	0.0598
	Toluene	0.04	0.0336
G94-TB-04	Acetone	10.9	2.09
	Methylene chloride	0.45	0.151
	2-Butanone (MEK)	3.61	0.89
	Benzene	0.06	0.0307
	Toluene	0.04	0.0336
BLK944060	Acetone	2.24	2.09
	Methylene chloride	0.91	0.151
G94-TB-05	Benzene	0.03	0.0307
	Chloromethane	0.15	0.155
	Acetone	14.9	2.09
	Methylene chloride	1.47	0.151
	4-methyl-2-pentanone	1.60	0.501
	2-Butanone (MEK)	6.35	0.89
	2-Hexanone	1.15	0.766
	Toluene	0.08	0.0336
G94-TB-07	Chloromethane	0.18	0.155
	Acetone	12.2	2.09
	Methylene chloride	1.18	0.151
	2-Butanone (MEK)	3.95	0.89
	Toluene	0.06	0.0336
BLK944065	Chloromethane	0.29	0.155
	Acetone	2.76	2.09
	Methylene chloride	0.93	0.151
	Benzene	0.02	0.0307

**Table 4-2**  
**Summary of Surrogate Spike Recoveries**

Sample	1,4-Bromo-fluorobenzene (74-121%)	1,2-Dichloro-ethane-d <sub>2</sub> (70-121%)	Toluene-d <sub>8</sub> (81-117%)	Accuracy Acceptable
BLK944042	96	106	100	yes
BLK944050	94	112	101	yes
BLK944060	88	109	101	yes
BLK944065	94	106	101	yes
G94-01-MW-01	96	111	99	yes
G94-01-MW-01-FD	97	111	100	yes
G94-01-MW-02	95	110	99	yes
G94-01-MW-05-MSD	95	110	100	yes
G94-01-MW-05-MS	96	110	99	yes
G94-01-MW-05	94	109	99	yes
G94-01-MW-06	95	113	99	yes
G94-01-MW-07	91	113	98	yes
G94-01-MW-08	93	112	98	yes
G94-02-GW-01	94	108	102	yes
G94-02-GW-03	93	111	103	yes
G94-02-GW-04	94	110	101	yes
G94-05-MW-02	92	105	99	yes
G94-05-MW-02-FD	96	106	100	yes
G94-05-MW-03	100	110	103	yes
G94-05-MW-04	92	107	102	yes
G94-05-MW-05	100	108	101	yes
G94-05-MW-06	94	114	101	yes
G94-05-MW-07	98	109	103	yes
G94-05-MW-11	99	107	102	yes
G94-05-MW-13	94	114	100	yes
G94-05-MW-14	95	106	100	yes
G94-05-MW-15	92	105	101	yes
G94-06-MW-01	89	111	104	yes
G94-06-MW-02-MSD	93	96	100	yes
G94-06-MW-02-MS	91	112	100	yes
G94-06-MW-02	88	109	98	yes
G94-06-MW-03-MSD	93	107	101	yes
G94-06-MW-03-MS	95	110	100	yes
G94-06-MW-03	93	107	99	yes
G94-06-MW-03-FD	94	110	101	yes

(Continued)

Section 4—Quality Control Results for Galena Airport Water Sample Analyses  
Kalakaket Creek RRS and Galena Airport

QA/QC Summary Report

Sample	1,4-Bromo-fluorobenzene (74-121%)	1,2-Dichloro-ethane-d <sub>2</sub> (70-121%)	Toluene-d <sub>8</sub> (81-117%)	Accuracy Acceptable
G94-06-MW-04	104	112	104	yes
G94-06-MW-05	99	108	98	yes
G94-06-MW-06	97	107	101	yes
G94-06-MW-07	93	113	101	yes
G94-09-MW-01	96	113	101	yes
G94-09-MW-02	93	116	100	yes
G94-09-MW-03	95	109	101	yes
G94-09-MW-04	96	111	100	yes
G94-09-MW-05	97	111	102	yes
G94-09-MW-05-FD	95	109	101	yes
G94-09-MW-06	97	111	102	yes
G94-09-MW-08	99	108	99	yes
G94-09-MW-12	98	107	100	yes
G94-09-MW-15	93	110	101	yes
G94-10-MW-01	93	114	99	yes
G94-10-MW-03	100	108	99	yes
G94-13-MW-37-MSD	94	106	99	yes
G94-13-MW-37-MS	96	104	99	yes
G94-13-MW-37	94	105	99	yes
G94-13-MW-37-FD	91	106	100	yes
G94-13-MW-38	93	109	100	yes
G94-AB-01	88	100	97	yes
G94-TB-01	95	106	99	yes
G94-TB-02	94	111	99	yes
G94-TB-03	94	115	100	yes
G94-TB-04	95	110	99	yes
G94-TB-05	88	109	104	yes
G94-TB-07	89	114	101	yes
LCS946318	98	103	101	yes
LCS946339	96	106	101	yes
LCS946478	97	112	103	yes
LCS946487	96	105	101	yes
LCSD946319	97	104	100	yes
LCSD946340	98	109	100	yes
LCSD946479	98	111	104	yes
LCSD946488	96	109	102	yes

Table 4-3  
Summary of Matrix Spike and Matrix Spike Duplicate Results

Sample	Analyte	Accuracy Objective (% Rec) <sup>a</sup>	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD) <sup>b</sup>	RPD	Precision Acceptability
G94-01-MW-05	1,1-Dichloroethene	51-133	92	92	yes	23	0	yes
	Benzene	74-132	99	100	yes	14	1	yes
	Trichloroethene	73-117	96	96	yes	13	0	yes
	Toluene	81-121	99	98	yes	14	1	yes
	Chlorobenzene	73-119	98	100	yes	14	2	yes
G94-06-MW-02	1,1-Dichloroethene	51-133	89	90	yes	23	1.1	yes
	Benzene	74-132	103	104	yes	14	1	yes
	Trichloroethene	73-117	100	90	yes	13	10	yes
	Toluene	81-121	101	99	yes	14	2	yes
	Chlorobenzene	73-119	101	100	yes	14	1	yes
G94-06-MW-03	1,1-Dichloroethene	51-133	92	103	yes	23	11	yes
	Benzene	74-132	103	108	yes	14	4.7	yes
	Trichloroethene	73-117	95	102	yes	13	7.1	yes
	Toluene	81-121	100	105	yes	14	4.9	yes
	Chlorobenzene	73-119	96	102	yes	14	6.1	yes
G94-13-MW-37	1,1-Dichloroethene	51-133	93	91	yes	23	2.2	yes
	Benzene	74-132	95	102	yes	14	7.1	yes
	Trichloroethene	73-117	95	100	yes	13	5.1	yes
	Toluene	81-121	92	97	yes	14	5.3	yes
	Chlorobenzene	73-119	98	104	yes	14	5.9	yes

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 4-4**  
**Summary of Laboratory Control Sample Recoveries**

Analyte	N	Mean	Median	Std	Min	Max
1,1,1-Trichloroethane	8	108.0	106.0	6.59	100	116
1,1,2,2-Tetrachloroethane	8	105.9	106.0	4.82	100	115
1,1,2-Trichloroethane	8	99.6	100.5	4.14	93	104
1,1-Dichloroethane	8	102.0	101.0	4.96	96	110
1,1-Dichloroethene	8	105.1	102.0	9.55	93	117
1,2-Dichloroethane	8	110.1	108.0	3.83	106	115
1,2-Dichloropropane	8	102.0	101.5	2.14	99	106
2-Butanone (MEK)	8	94.8	95.5	6.41	85	104
2-Chloroethyl vinyl ether	8	106.4	107.5	7.89	95	118
2-Hexanone	8	96.0	95.5	7.09	85	105
4-Methyl-2-Pentanone (MIBK)	8	114.8	113.0	8.00	104	129
Acetone	8	68.9	67.0	6.08	61	79
Benzene	8	109.8	109.5	2.96	107	115
Bromodichloromethane	8	105.8	105.5	6.09	98	115
Bromoform	8	97.6	96.0	2.62	96	103
Bromomethane	8	86.3	85.5	6.54	77	96
Carbon disulfide	8	116.3	118.5	7.76	103	126
Carbon tetrachloride	8	103.8	107.0	8.60	90	112
Chlorobenzene	8	95.3	95.0	3.96	89	101
Chloroethane	8	114.4	116.0	12.4	96	133
Chloroform	8	101.0	101.0	5.78	93	108
Chloromethane	8	79.9	78.5	6.51	73	92
Dibromochloromethane	8	96.1	96.5	3.09	92	101
Ethyl benzene	8	96.1	98.0	5.00	87	101
Meta-&Para-Xylene	8	100.4	100.5	5.04	92	108
Methylene chloride	8	115.6	113.5	9.18	102	131
Ortho-Xylene	8	101.0	100.0	4.17	94	107
Styrene	8	99.6	99.0	2.92	94	104
Tetrachloroethene	8	94.3	94.5	5.85	84	101
Toluene	8	104.1	104.0	1.89	102	107
Trichloroethene	8	97.4	97.0	4.27	92	103
Trichlorofluoromethane	8	94.4	97.0	13.8	70	110
Vinyl chloride	8	79.8	80.5	7.17	69	92
Vinyl acetate	8	107.0	107.5	4.54	102	116
cis-1,3-Dichloropropene	8	103.9	102.5	4.82	97	111
trans-1,2-Dichloroethene	8	106.1	105.0	6.36	99	116
trans-1,3-Dichloropropene	8	103.0	103.0	3.55	98	108

N = Number of observations  
 Std = Standard deviation

Min = Minimum percent recovery  
 Max = Maximum percent recovery

**Table 4-5**  
**Summary of Field Duplicate Results**

Sample	Analyte	Routine ( $\mu\text{g/kg}$ )	Duplicate ( $\mu\text{g/kg}$ )	RPD <sup>a</sup> (%)
G94-01-MW-01 G94-01-MW-01-FD	1,2-Dichloroethane	1.4	1.62	14.6
	Acetone	5.87	6.27	6.6
	Benzene	152	152	0.0
	Chloroethane	ND	0.1	NC
	Chloromethane	0.57	0.65	13.1
	Dibromomethane	0.22	ND	NC
	Ethylbenzene	0.1	0.09	10.5
	Meta-&Para-Xylene	0.1	0.1	0.0
	Methylene chloride	0.22	0.19	14.6
	Ortho-Xylene	0.05	ND	NC
	Toluene	0.24	0.28	15.4
G94-05-MW-02 G94-05-MW-02-FD	1,2-Dichloroethane	0.71	0.83	15.6
	Acetone	5.01	5	0.2
	Benzene	0.03	0.05	50.0
	Chloromethane	0.24	0.51	72.0
	Meta-&Para-Xylene	ND	0.04	NC
	Methylene chloride	0.21	0.95	127.6
	Trichloroethene	ND	0.3	NC
	Trichlorofluoromethane	0.19	0.14	30.3
G94-06-MW-03 G94-06-MW-03-FD	Acetone	6.59	5.87	11.6
	Benzene	0.33	0.33	0.0
	Chloromethane	0.09	ND	NC
	Dibromomethane	ND	0.22	NC
	Methylene chloride	0.29	0.43	38.9
	Toluene	ND	0.08	NC
	Vinyl chloride	0.02	ND	NC
	cis-1,2-Dichloroethene	1.13	1.03	9.3
G94-09-MW-05 G94-09-MW-05-FD	Acetone	2.6	3.1	17.5
	Benzene	0.63	0.66	4.7
	Dibromomethane	0.22	0.2	9.5
	Ethylbenzene	0.08	0.06	28.6
	Meta-&Para-Xylene	0.07	0.06	15.4
	Methylene chloride	0.36	0.33	8.7
	Toluene	0.04	ND	NC

(Continued)

Section 4—Quality Control Results for Galena Airport Water Sample Analyses  
 Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample	Analyte	Routine ( $\mu\text{g/kg}$ )	Duplicate ( $\mu\text{g/kg}$ )	RPD <sup>a</sup> (%)
G94-13-MW-37 G94-13-MW-37-FD	Acetone	6.15	4.81	24.5
	Benzene	0.05	0.04	22.2
	Chloromethane	0.31	ND	NC
	Dibromomethane	0.21	ND	NC
	Meta-&Para-Xylene	0.07	0.07	0.0
	Methylene chloride	0.18	0.15	18.2
	Toluene	0.13	0.13	0.0
	Trichloroethene	0.33	0.36	8.7

<sup>a</sup> Relative Percent Difference (RPD) =  $|\text{Difference}| \div \text{Mean} \times 100$ .

ND = Not Detected

NC = Not Calculable, calculation not meaningful.

**Table 4-6**  
**Summary of Semivolatile Blank Results**

<b>Sample Identification</b>	<b>Analyte</b>	<b>Concentration</b>	<b>Detection Limit</b>
BLK943961	None Detected	--	--
BLK944139	None Detected	--	--
BLK944201	None Detected	--	--
BLK944201	None Detected	--	--
BLK944071	None Detected	--	--
BLK944096	None Detected	--	--
BLK944165	None Detected	--	--
BLK944149	None Detected	--	--



**Table 4-7**  
**Summary of Surrogate Spike Recoveries**

Sample	2-FBP (43-116%)	2-FPH (31-100%)	NB-d <sub>1</sub> (45-114%)	Ph-d <sub>1</sub> (28-122%)	TP-dI <sub>1</sub> (66-122%)	2,4,6-TBP (26-123%)	Accuracy Acceptable
BLK943961	85	96	94	97	101	88	yes
BLK944071	78	94	98	98	102	109	yes
BLK944096	69	52	78	35	91	98	yes
BLK944139	52	88	84	90	96	74	yes
BLK944149	71	56	84	39	87	90	yes
BLK944165	92	95	104	98	98	99	yes
BLK944201	86	59	90	38	102	92	yes
BLK944201	88	60	91	39	105	78	yes
G94-02-GW-01	89	89	92	91	100	96	yes
G94-02-GW-03	86	93	94	99	107	100	yes
G94-02-GW-04	93	93	99	98	109	104	yes
G94-05-MW-02	87	60	85	41	101	80	yes
G94-05-MW-02-FD	84	62	88	43	94	95	yes
G94-05-MW-03	87	42	90	29	94	90	yes
G94-05-MW-04	77	47	96	35	97	75	yes
G94-05-MW-05	70	36	94	34	111	63	yes
G94-05-MW-06	92	85	90	86	90	109	yes
G94-05-MW-07	88	45	102	35	105	75	yes
G94-05-MW-11	95	65	106	44	107	87	yes
G94-05-MW-13	94	66	95	45	97	106	yes
G94-05-MW-14	90	66	93	44	110	86	yes
G94-05-MW-15	89	47	88	32	101	77	yes
G94-06-MW-01	65	81	81	83	97	78	yes
G94-06-MW-02-MSD	94	90	95	92	97	112	yes
G94-06-MW-02-MS	96	88	95	92	98	115	yes
G94-06-MW-02	102	92	102	97	104	120	yes

(Continued)

## Section 4—Quality Control Results for Galena Airport Water Sample Analyses

## QA/QC Summary Report

Kalakaket Creek RRS and Galena Airport

Sample	2-FBP (43-116%)	2-FPH (31-100%)	NB-d <sub>5</sub> (45-114%)	Ph-d <sub>5</sub> (28-122%)	TP-d1 <sub>4</sub> (66-122%)	2,4,6-TBP (26-123%)	Accuracy Acceptable
G94-06-MW-03-MSD	92	88	94	90	101	97	yes
G94-06-MW-03-MS	89	89	97	90	97	98	yes
G94-06-MW-03	78	85	88	90	100	87	yes
G94-06-MW-03-FD	100	99	103	105	113	112	yes
G94-06-MW-04	74	88	90	93	97	89	yes
G94-06-MW-05	94	89	98	90	99	118	yes
G94-06-MW-06	94	87	93	90	94	118	yes
G94-06-MW-07	75	86	90	91	97	81	yes
G94-09-MW-01	92	91	94	91	92	114	yes
G94-09-MW-02	92	84	91	86	93	109	yes
G94-09-MW-03	92	87	93	87	90	110	yes
G94-09-MW-04	90	89	92	94	105	105	yes
G94-09-MW-05	92	90	99	89	88	112	yes
G94-09-MW-05-FD	94	89	96	90	93	115	yes
G94-09-MW-06	91	85	91	87	90	110	yes
G94-09-MW-08	41	63	79	62	73	48	yes
G94-09-MW-12	101	100	95	97	100	91	yes
G94-09-MW-15	80	86	96	89	96	105	yes
G94-10-MW-01	69	79	79	83	97	81	yes
G94-10-MW-03	90	88	94	87	91	110	yes
G94-13-MW-37-MSD	91	64	94	41	101	89	yes
G94-13-MW-37-MS	95	67	94	44	96	94	yes
G94-13-MW-37	94	60	94	39	106	96	yes
G94-13-MW-37-MSD	92	62	92	41	96	80	yes
G94-13-MW-37-MS	96	66	94	44	100	82	yes
G94-13-MW-37-FD	86	66	97	45	106	83	yes
G94-13-MW-38	91	63	91	46	105	86	yes
LCS946174	83	93	96	95	97	88	yes
LCS946355	54	91	94	92	99	102	yes

(Continued)

Section 4—Quality Control Results for Galena Airport Water Sample Analyses  
Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample	2-FBP (43-116%)	2-FPH (31-100%)	NB-d <sub>5</sub> (45-114%)	PH-d <sub>5</sub> (28-122%)	TP-d <sub>14</sub> (66-122%)	2,4,6-TBP (26-123%)	Accuracy Acceptable
LCS946381	85	60	96	41	100	109	yes
LCS946427	92	91	92	94	102	79	yes
LCS946438	75	61	91	43	100	103	yes
LCS946458	92	92	100	95	101	100	yes
LCS946511	93	68	92	45	101	86	yes
LCS946511	90	70	92	46	97	77	yes
LCSD946174	87	94	92	95	100	85	yes
LCSD946355	80	94	98	95	104	113	yes
LCSD946381	87	58	92	38	99	111	yes
LCSD946427	53	90	86	90	89	69	yes
LCSD946438	75	68	100	46	96	99	yes
LCSD946458	91	93	99	95	97	101	yes
LCSD946511	90	61	91	40	100	85	yes
LCSD946511	90	62	91	41	96	79	yes

2-FB  
 2-FPH  
 NB-d<sub>5</sub>  
 PH-d<sub>5</sub>  
 TP-d<sub>14</sub>  
 2,4,6-TBP  
 2-Fluorobiphenyl  
 2-Fluorophenol  
 Nitrobenzene-d5  
 Phenol-d5  
 Terphenyl-d14  
 2,4,6-Tribromophenol

Table 4-8  
Summary of Matrix Spike and Matrix Spike Duplicate Results

Sample	Analyte	Accuracy Objective (% Rec <sup>a</sup> )	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD <sup>b</sup> )	RPD	Precision Acceptability
G94-06-MW-02	Phenol	5-112	79	76	yes	76	3.9	yes
	2-Chlorophenol	23-134	87	85	yes	81	2.3	yes
	1,4-Dichlorobenzene	20-124	84	85	yes	81	1.2	yes
	N-Nitroso-di-n-propylamine	0.1-230	93	93	yes	113	0	yes
	1,2,4-Trichlorobenzene	44-142	99	97	yes	59	2	yes
	4-Chloro-3-methylphenol	22-147	91	88	yes	84	3.4	yes
	2,4-Dinitrotoluene	39-139	94	93	yes	62	1.1	yes
	Acenaphthene	47-145	86	87	yes	56	1.2	yes
	4-Nitrophenol	0.1-132	95	87	yes	124	8.8	yes
	Pentachlorophenol	14-176	96	92	yes	86	4.3	yes
	Pyrene	52-115	80	82	yes	43	2.5	yes
	Phenol	5-112	79	79	yes	76	0	yes
	2-Chlorophenol	23-134	87	87	yes	81	0	yes
G94-06-MW-03	1,4-Dichlorobenzene	20-124	80	76	yes	81	5.1	yes
	N-Nitroso-di-n-propylamine	0.1-230	104	109	yes	113	4.7	yes
	1,2,4-Trichlorobenzene	44-142	93	89	yes	59	4.4	yes
	4-Chloro-3-methylphenol	22-147	91	89	yes	84	2.2	yes
	2,4-Dinitrotoluene	39-139	88	92	yes	62	4.4	yes
	Acenaphthene	47-145	91	92	yes	56	1.1	yes
	4-Nitrophenol	0.1-132	86	87	yes	124	1.2	yes
	Pentachlorophenol	14-176	79	81	yes	86	2.5	yes
	Pyrene	52-115	98	99	yes	43	1	yes
	Phenol	5-112	79	79	yes	76	0	yes
	2-Chlorophenol	23-134	87	87	yes	81	0	yes
	1,4-Dichlorobenzene	20-124	80	76	yes	81	5.1	yes
	N-Nitroso-di-n-propylamine	0.1-230	104	109	yes	113	4.7	yes

(Continued)

Section 4—Quality Control Results for Galena Airport Water Sample Analyses  
Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample	Analyte	Accuracy Objective (% Rec <sup>a</sup> )	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD <sup>b</sup> )	RPD	Precision Acceptability
G94-13-MW-37	Phenol	5-112	40	38	yes	76	5.1	yes
	2-Chlorophenol	23-134	84	88	yes	81	4.6	yes
	1,4-Dichlorobenzene	20-124	86	87	yes	81	1.2	yes
	N-Nitroso-di-n-propylamine	0.1-230	102	102	yes	113	0	yes
	1,2,4-Trichlorobenzene	44-142	92	88	yes	59	4.4	yes
	4-Chloro-3-methylphenol	22-147	85	88	yes	84	3.5	yes
	2,4-Dinitrotoluene	39-139	90	85	yes	62	5.7	yes
	Acenaphthene	47-145	90	87	yes	56	3.4	yes
	4-Nitrophenol	0.1-132	46	44	yes	124	4.4	yes
	Pentachlorophenol	14-176	85	84	yes	86	1.2	yes
	Pyrene	52-115	92	92	yes	43	0	yes
	Phenol	5-112	40	38	yes	76	5.1	yes
	2-Chlorophenol	23-134	87	88	yes	81	1.1	yes
	1,4-Dichlorobenzene	20-124	85	84	yes	81	1.2	yes
G94-13-MW-37	N-Nitroso-di-n-propylamine	0.1-230	101	102	yes	113	1	yes
	1,2,4-Trichlorobenzene	44-142	90	85	yes	59	5.7	yes
	4-Chloro-3-methylphenol	22-147	86	88	yes	84	2.3	yes
	2,4-Dinitrotoluene	39-139	87	86	yes	62	1.2	yes
	Acenaphthene	47-145	91	87	yes	56	4.5	yes
	4-Nitrophenol	0.1-132	48	44	yes	124	8.7	yes
	Pentachlorophenol	14-176	81	80	yes	86	1.2	yes
	Pyrene	52-115	96	94	yes	43	2.1	yes

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 4-9**  
**Summary of GC/MS Semivolatile Laboratory Control Sample Recoveries**

Analyte	N *	Mean	Median	Std	Min	Max
1,2,4-Trichlorobenzene	20	99.1	98.5	5.92	89	113
1,2-Dichlorobenzene	20	96.1	95.5	4.29	90	106
1,3-Dichlorobenzene	20	94.5	93.5	4.56	88	105
1,4-Dichlorobenzene	20	91.2	90.5	4.73	85	100
2,4,5-Trichlorophenol	20	99.6	102.0	6.32	83	108
2,4,6-Trichlorophenol	20	82.4	82.5	4.52	72	90
2,4-Dichlorophenol	20	94.4	96.0	5.42	85	104
2,4-Dimethylphenol	20	75.7	72.5	11.0	60	95
2,4-Dinitrophenol	20	129.2	136.0	23.8	64	152
2,4-Dinitrotoluene	20	102.1	102.5	8.93	88	122
2,6-Dinitrotoluene	20	112.3	112.5	7.39	101	130
2-Chloronaphthalene	20	89.2	90.0	4.17	82	95
2-Chlorophenol	20	92.6	91.5	4.12	85	99
2-Methylnaphthalene	20	102.6	102.0	5.56	94	114
2-Methylphenol	20	86.0	85.5	5.67	77	95
2-Nitroaniline	20	101.7	101.0	6.78	92	118
2-Nitrophenol	20	102.8	104.0	6.12	93	112
3,3'-Dichlorobenzidine	20	133.0	138.5	25.4	36	160
3-Nitroaniline	20	106.4	105.5	7.20	94	122
4,6-Dinitro-2-methylphenol	20	124.4	129.5	21.8	63	145
4-Bromophenyl phenyl ether	20	100.5	101.0	7.19	88	114
4-Chloro-3-methylphenol	20	95.0	96.5	5.49	85	103
4-Chlorophenyl phenyl ether	20	106.9	106.5	6.52	95	118
4-Methylphenol/3-Methylphenol	20	81.1	79.5	9.99	66	98
4-Nitroaniline	20	97.6	97.5	8.09	83	115
4-Nitrophenol	20	79.2	90.5	27.4	46	111
Acenaphthene	20	94.9	93.5	4.77	89	102
Acenaphthylene	20	104.3	102.0	4.66	98	111
Anthracene	20	106.9	105.0	4.65	101	114
Benzo(a)anthracene	20	105.7	104.5	5.68	98	114
Benzo(a)pyrene	20	99.1	98.5	4.71	91	107
Benzo(b)fluoranthene	20	95.8	96.5	7.13	84	107
Benzo(g,h,i)perylene	20	110.9	110.0	11.5	95	130

(Continued)



Section 4—Quality Control Results for Galena Airport Water Sample Analyses  
Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Analyte	N *	Mean	Median	Std	Min	Max
Benzo(k)fluoranthene	20	100.7	98.5	10.2	82	120
Benzoic acid	20	61.4	70.0	31.1	12	94
Benzyl alcohol	20	95.5	94.5	9.71	76	109
Butylbenzylphthalate	20	107.6	110.0	8.51	95	124
Chrysene	20	101.7	99.5	4.91	95	112
Di-n-octylphthalate	20	115.8	117.0	11.2	99	139
Dibenz(a,h)anthracene	20	98.5	96.5	5.27	91	108
Dibenzofuran	20	100.5	100.0	5.24	92	110
Dibutylphthalate	20	105.9	105.0	5.26	99	119
Diethylphthalate	20	105.9	105.0	4.60	99	113
Dimethylphthalate	20	103.3	102.5	5.21	97	114
Diphenylamine	20	96.5	95.0	5.57	87	108
Fluoranthene	20	99.3	99.0	5.09	92	109
Fluorene	20	88.9	89.0	4.28	81	96
Hexachlorobenzene	20	102.5	103.5	9.85	84	120
Hexachlorobutadiene	20	96.8	96.5	6.65	84	109
Hexachlorocyclopentadiene	20	87.6	95.0	39.9	25	139
Hexachloroethane	20	99.3	100.0	6.92	88	111
Indeno(1,2,3-cd)pyrene	20	100.3	97.5	6.14	93	110
Isophorone	20	105.4	104.5	4.78	99	115
N-Nitroso-di-n-propylamine	20	99.9	98.0	6.66	90	110
Naphthalene	20	97.5	96.5	3.86	92	105
Nitrobenzene	20	99.3	99.5	5.01	92	113
Pentachlorophenol	20	84.9	85.5	8.40	73	100
Phenanthrene	20	92.9	92.0	4.36	88	100
Phenol	20	74.5	89.0	23.7	43	98
Pyrene	20	100.6	99.0	5.31	93	109
bis(2-Chloroethoxy)methane	20	95.5	96.0	5.44	88	109
bis(2-Chloroethyl)ether	20	91.6	91.5	4.48	84	103
bis(2-Chloroisopropyl)ether	20	85.3	84.0	6.66	76	98
bis(2-Ethylhexyl)phthalate	20	102.6	103.5	9.68	90	131
p-Chloroaniline	20	104.5	105.0	6.88	91	120

\* Number of observations include aqueous LCS/LCSD 946534 and 946628, which were run with the quipment blank associated with the Galena 1994 soil samples.

N = Number of observations

Std = Standard deviation

Min = Minimum percent recovery

Max = Maximum percent recovery

**Table 4-10**  
**Summary of Field Duplicate Results**

Sample	Analyte	Routine ( $\mu\text{g/kg}$ )	Duplicate ( $\mu\text{g/kg}$ )	RPD <sup>a</sup> (%)
G94-05-MW-02 G94-05-MW-02-FD	Benzoic acid	1.14	ND	NC
G94-06-MW-03 G94-06-MW-03-FD	None Detected	--	--	NC
G94-09-MW-05 G94-09-MW-05-FD	2-Methylnaphthalene	ND	0.348	NC
G94-09-MW-05 G94-09-MW-05-FD	bis(2-Ethylhexyl)phthalate	4.18	3.7	12.2
G94-13-MW-37 G94-13-MW-37-FD	None Detected	--	--	NC

<sup>a</sup> Relative Percent Difference (RPD) =  $|\text{Difference}| \div \text{Mean} \times 100$ .

ND = Not Detected.

NC = Not Calculable, calculation not meaningful.



**Table 4-11**  
**Summary of Organochlorine Pesticide and PCBs Blank Results**

Sample Identification	Analyte	Concentration (µg/L)	Detection Limit (µg/L)
BLK943967 B	None Detected	--	--
BLK94477 BM	None Detected	--	--
BLK944213	None Detected	--	--
BLK944136	delta-BHC	0.0089	0.00218
BLK944114	Dieldrin	0.0027	0.00403

**Table 4-12**  
**Summary of Surrogate Spike Recoveries**

Sample	Dibutylchlorodane (20-150%)	2,4,5,6-Tetrachloro-m-xylene (20-150%)	Accuracy Acceptable
BLK943967 B	91	66	yes
BLK94477 BM	100	76	
BLK944114	100	75	yes
BLK944136	103	74	yes
BLK944213	99	74	yes
G94-01-MW-01	86	71	yes
G94-01-MW-01-FD	89	75	yes
G94-01-MW-02	92	85	yes
G94-01-MW-05-MSD	77	77	yes
G94-01-MW-05-MS	65	73	yes
G94-01-MW-05	61	71	yes
G94-01-MW-06	92	82	yes
G94-01-MW-07	100	85	yes
G94-01-MW-08	99	81	yes
G94-02-GW-01	96	78	yes
G94-02-GW-03	97	77	yes
G94-02-GW-04R	98	82	yes
G94-05-MW-02	98	91	yes
G94-05-MW-02-FD	92	84	yes
G94-05-MW-03	88	79	yes
G94-05-MW-04	44	86	yes
G94-05-MW-05	82	70	yes
G94-05-MW-06	97	77	yes
G94-05-MW-07	33	60	yes
G94-05-MW-11	79	79	yes
G94-05-MW-13	80	79	yes
G94-05-MW-14	92	84	yes
G94-05-MW-15	85	81	yes
G94-06-MW-01	101	81	yes
G94-06-MW-02-MSD	93	80	yes
G94-06-MW-02-MS	90	76	yes
G94-06-MW-02	91	84	yes
G94-06-MW-03-MSD	98	80	yes
G94-06-MW-03-MS	97	78	yes
G94-06-MW-03	90	75	yes
G94-06-MW-03-FD	92	79	yes
G94-06-MW-04	82	106	yes
G94-06-MW-05	89	81	yes
G94-06-MW-06	80	79	yes

(Continued)

Section 4—Quality Control Results for Galena Airport Water Sample Analyses  
 Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample	Dibutylchloroendate (20-150%)	2,4,5,6-Tetrachloro-m-xylene (20-150%)	Accuracy Acceptable
G94-06-MW-07	108	89	yes
G94-09-MW-01	87	79	yes
G94-09-MW-02	96	86	yes
G94-09-MW-03	99	79	yes
G94-09-MW-04	90	77	yes
G94-09-MW-05	97	83	yes
G94-09-MW-05-FD	91	79	yes
G94-09-MW-06	101	83	yes
G94-09-MW-08	36	93	yes
G94-09-MW-12	19	31	yes
G94-09-MW-15	100	83	yes
G94-10-MW-01	88	87	yes
G94-10-MW-03	101	76	yes
G94-13-MW-37-MSD	116	84	yes
G94-13-MW-37-MS	91	86	yes
G94-13-MW-37	80	79	yes
G94-13-MW-37-FD	99	87	yes
G94-13-MW-38	98	82	yes
LCS946201 K	98	71	yes
LCS946202	95	67	yes
LCS946304	92	62	yes
LCS946361 K	108	83	yes
LCS946397	92	72	yes
LCS946398	87	69	yes
LCS946423	97	78	yes
LCS946424	90	68	yes
LCS946526	95	77	yes
LCS946527	92	69	yes
LCSD946201	94	73	yes
LCSD946202	94	66	yes
LCSD946304	97	63	yes
LCSD946361	108	84	yes
LCSD946397	98	78	yes
LCSD946398	92	69	yes
LCSD946423	103	78	yes
LCSD946424	86	63	yes
LCSD946526	98	76	yes
LCSD946527	95	73	yes

Table 4-13  
Summary of Matrix Spike and Matrix Spike Duplicate Results

Sample	Analyte	Accuracy Objective (% Rec <sup>a</sup> )	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD <sup>b</sup> )	RPD	Precision Acceptability
G94-01-MW-05	Aldrin	42-122	84	90	yes	55	6.9	yes
	gamma-BHC	32-127	80	87	yes	63	8.4	yes
	4,4'-DDT	25-160	94	103	yes	85	9.1	yes
	Dieldrin	36-146	91	97	yes	44	6.4	yes
	Endrin	30-147	99	106	yes	67	6.8	yes
	Heptachlor	34-120	85	91	yes	43	6.8	yes
G94-06-MW-02	Aldrin	42-122	90	95	yes	55	5.4	yes
	gamma-BHC	32-127	90	94	yes	63	4.4	yes
	4,4'-DDT	25-160	93	100	yes	85	7.2	yes
	Dieldrin	36-146	92	96	yes	44	4.3	yes
	Endrin	30-147	98	102	yes	67	4	yes
	Heptachlor	34-120	92	97	yes	43	5.3	yes
G94-06-MW-03	Aldrin	42-122	88	92	yes	55	4.4	yes
	gamma-BHC	32-127	91	99	yes	63	8.4	yes
	4,4'-DDT	25-160	98	101	yes	85	3	yes
	Dieldrin	36-146	94	97	yes	44	3.1	yes
	Endrin	30-147	97	102	yes	67	5	yes
	Heptachlor	34-120	89	92	yes	43	3.3	yes
G94-13-MW-37	Aldrin	42-122	92	98	yes	55	6.3	yes
	gamma-BHC	32-127	91	98	yes	63	7.4	yes
	4,4'-DDT	25-160	96	101	yes	85	5.1	yes
	Dieldrin	36-146	90	97	yes	44	7.5	yes
	Endrin	30-147	95	102	yes	67	7.1	yes
	Heptachlor	34-120	91	103	yes	43	12	yes

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 4-14**  
**Summary of Organochlorine Pesticide and PCB Laboratory Control Sample Recoveries**

Analyte	N *	Mean	Median	Std	Min	Max
4,4'-DDT	14	97.1	98.0	5.45	87	103
Aldrin	14	89.4	88.0	6.31	82	99
Dieldrin	14	96.6	96.5	4.54	89	103
Endosulfan II	14	100.8	102.5	6.19	89	107
Endrin	14	93.3	95.0	4.94	84	99
Endrin aldehyde	14	99.2	114.5	41.2	0.9	127
Heptachlor	14	94.9	92.0	6.04	89	105
Heptachlor epoxide	14	103.6	102.5	5.77	95	113
Mirex	2	94.5	94.5	0.71	94	95
PCB-1016	14	86.9	88.0	6.74	70	94
PCB-1260	14	96.3	97.0	4.91	86	103
alpha-BHC	14	90.1	89.0	5.01	83	99
alpha-Chlordane	2	93.0	93.0	1.41	92	94
delta-BHC	14	74.3	75.0	9.67	55	87
gamma-BHC	14	98.0	98.5	4.80	90	106

\* Number of observations include aqueous LCS/LCSD 946620 and 946743 which were run with the equipment blank associated with the Galena 1994 soil samples.

N = Number of observations

Std = Standard deviation

Min = Minimum percent recovery

Max = Maximum percent recovery

**Table 4-15**  
**Summary of Field Duplicate Results**

Sample	Analyte	Routine (µg/L)	Duplicate (µg/L)	RPD <sup>a</sup> (%)
G94-01-MW-01 G94-01-MW-01-FD	4,4'-DDT	0.008	ND	NC
	Dieldrin	0.0025	0.0025	0.0
	beta-BHC	0.0144	0.0189	27.0
	4,4'-DDT	ND	0.011	NC
G94-05-MW-02 G94-05-MW-02-FD	Endosulfan sulfate	0.0019	0.0036	61.8
	Heptachlor	0.0004	0.0004	0.0
G94-06-MW-03 G94-06-MW-03-FD	Endosulfan sulfate	0.0002	0.0029	174.2
	Endrin aldehyde	ND	0.0012	NC
	Heptachlor	ND	0.0001	NC
G94-09-MW-05 G94-09-MW-05-FD	4,4'-DDT	0.0062	ND	NC
	Aldrin	ND	0.0079	NC
	Endosulfan sulfate	0.0016	ND	NC
	Endrin aldehyde	ND	0.0023	NC
	Heptachlor	ND	0.001	NC
	gamma-BHC	0.0067	0.0127	61.9
G94-13-MW-37 G94-13-MW-37-FD	4,4'-DDT	ND	0.0127	NC
	Aldrin	ND	0.0052	NC
	Endosulfan I	ND	0.001	NC
	Endosulfan sulfate	0.8003	0.0091	100.8
	Heptachlor	0.0004	0.003	152.9
	Heptachlor epoxide	0.0001	0.0016	176.5

<sup>a</sup> Relative Percent Difference (RPD) =  $| \text{Difference} | \div \text{Mean} \times 100$ .

ND = Not Detected

NC = Not Calculable, calculation not meaningful.

**Table 4-16**  
**Summary of Blank Results**

Sample Identification	Analyte	Concentration mg/L	Detection Limit mg/L
BLK944112	Aluminum	0.0446	0.0523
	Antimony	0.0324	0.076
	Arsenic	0.00816	0.0468
	Barium	0.00085	0.00086
	Beryllium	0.0011	0.00051
	Cadmium	-0.00012	0.00386
	Calcium	0.114	0.0175
	Chromium	0.00184	0.00524
	Cobalt	-0.00381	0.00407
	Copper	0.00412	0.00916
	Iron	0.00337	0.00452
	Lead	-0.0525	0.0216
	Magnesium	0.0138	0.0479
	Manganese	0.0029	0.00155
	Molybdenum	0.00145	0.00739
	Nickel	-0.00216	0.0141
	Potassium	0.148	0.822
	Selenium	-0.0486	0.0891
	Silver	-0.00716	0.00519
	Sodium	0.107	0.0401
	Thallium	-0.026	0.0833
	Vanadium	-0.00177	0.00454
	Zinc	0.0165	0.00402
BLK944203	Arsenic	-0.00971	0.0468
	Barium	0.00042	0.00086
	Cadmium	-0.00113	0.00386
	Chromium	0.00102	0.00524
	Lead	-0.0392	0.0216
	Silver	-0.00511	0.00519
	Aluminum	0.0255	0.0523
	Antimony	0.00885	0.076
	Arsenic	-0.013	0.0468
	Barium	0.0017	0.00086
	Beryllium	0.00108	0.00051
	Cadmium	-0.00112	0.00386
	Calcium	0.0644	0.0175
	Chromium	0.00181	0.00524
	Cobalt	0	0.00407

(Continued)

## Section 4—Quality Control Results for Galena Airport Water Sample Analyses

## QA/QC Summary Report

Kalakaket Creek RRS and Galena Airport

Sample Identification	Analyte	Concentration mg/L	Detection Limit mg/L
BLK944203 (continued)	Copper	0.0053	0.00916
	Iron	0.0088	0.00452
	Lead	-0.024	0.0216
	Magnesium	0.00042	0.0479
	Manganese	0	0.00155
	Molybdenum	0.00642	0.00739
	Nickel	0.0054	0.0141
	Potassium	0.26	0.822
	Selenium	0.0218	0.0891
	Silver	-0.00203	0.00519
	Sodium	0.0573	0.0401
	Thallium	-0.0313	0.0833
	Vanadium	0.00202	0.00454
	Zinc	0.00837	0.00402
BLK944334	Aluminum	0.0496	0.0523
	Antimony	0.014	0.076
	Arsenic	-0.00186	0.0468
	Barium	0.00128	0.00086
	Beryllium	0.00109	0.00051
	Cadmium	0.00006	0.00386
	Calcium	0.134	0.0175
	Chromium	0.00446	0.00524
	Cobalt	0	0.00407
	Copper	0.00058	0.00916
	Iron	0.0263	0.00452
	Lead	-0.0211	0.0216
	Magnesium	0.0373	0.0479
	Manganese	0.0014	0.00155
	Molybdenum	0.00423	0.00739
	Nickel	0.00933	0.0141
	Potassium	-0.0188	0.822
	Selenium	0.0109	0.0891
	Silver	-0.00606	0.00519
	Sodium	0.0581	0.0401
	Thallium	-0.0418	0.0833
	Vanadium	-0.00126	0.00454
	Zinc	0.00769	0.00402
BLK944237	Aluminum	0.0304	0.0523
	Antimony	-0.0223	0.076
	Arsenic	0.00767	0.0468
	Barium	0.00085	0.00086

(Continued)



Section 4—Quality Control Results for Galena Airport Water Sample Analyses  
 Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample Identification	Analyte	Concentration mg/L	Detection Limit mg/L
BLK944237 (continued)	Beryllium	0.00108	0.00051
	Cadmium	-0.00121	0.00386
	Calcium	0.0282	0.0175
	Chromium	0.00084	0.00524
	Cobalt	0.00365	0.00407
	Copper	0.00529	0.00916
	Iron	0.0314	0.00452
	Lead	-0.0167	0.0216
	Magnesium	0.0236	0.0479
	Manganese	0.0014	0.00155
	Molybdenum	-0.00099	0.00739
	Nickel	0.0166	0.0141
	Potassium	0.0184	0.822
	Selenium	-0.0295	0.0891
	Silver	-0.00403	0.00519
	Sodium	0.039	0.0401
	Thallium	-0.0314	0.0833
	Vanadium	-0.00006	0.00454
	Zinc	0.00266	0.00402
BLK944429	Aluminum	-0.00799	0.0523
	Antimony	-0.0179	0.076
	Arsenic	-0.0104	0.0468
	Barium	-0.00044	0.00086
	Beryllium	0.00005	0.00051
	Cadmium	0.0009	0.00386
	Calcium	0.0276	0.0175
	Chromium	-0.00464	0.00524
	Cobalt	-0.00698	0.00407
	Copper	-0.00064	0.00916
	Iron	0.00158	0.00452
	Lead	-0.011	0.0216
	Magnesium	-0.0142	0.0479
	Manganese	-0.00211	0.00155
	Molybdenum	-0.00502	0.00739
	Nickel	0.00481	0.0141
	Potassium	-0.679	0.822
	Selenium	0.0079	0.0891
	Silver	0.0015	0.00519
	Sodium	0.0355	0.0401
	Thallium	-0.0369	0.0833
	Vanadium	-0.00811	0.00454
	Zinc	0.00525	0.00402

**Table 4-17**  
**Summary of Metals Results for Method Blanks and Samples**

Analyte	Method Blanks mg/L (5)			Samples mg/L (6)		
	Mean	Min	Max	Mean	Min	Max
Aluminum	0.0284	-0.00799	0.0496	0.7556	-0.0427	4.62
Antimony	0.0030	-0.0223	0.0324	0.03645	-0.00655	0.0844
Arsenic	-0.00319	-0.013	0.00816	-0.00885	-0.0349	0.0238
Barium	0.00077	-0.00044	0.0017	0.37283	0.131	0.575
Beryllium	0.00088	0.00005	0.0011	-0.00069	-0.00247	0.00108
Cadmium	-0.00043	-0.00121	0.0009	-0.00017	-0.00144	0.0009
Calcium	0.07364	0.0276	0.134	250.5	149	355
Chromium	0.000888	-0.00464	0.00446	0.00184	-0.00207	0.00415
Cobalt	-0.00142	-0.00698	0.00365	0.01998	-0.00365	0.0394
Copper	0.00293	-0.00064	0.0053	0.02195	0.00389	0.056
Iron	0.01429	0.00158	0.0314	4.475	0.00124	8.75
Lead	-0.0274	-0.0525	-0.011	-0.0401	-0.101	0.0156
Magnesium	0.0121	-0.0142	0.0373	51.6	16.2	78
Manganese	0.0007	-0.00211	0.0029	11.6	-0.0006	26.1
Molybdenum	0.0012	-0.00502	0.00642	0.00308	-0.00359	0.0102
Nickel	0.0067	-0.00216	0.0166	0.0418	0.00103	0.102
Potassium	-0.054	-0.679	0.26	6.03	3.56	7.51
Selenium	-0.0075	-0.0486	0.0218	0.0069	-0.0221	0.059
Silver	-0.0038	-0.00716	0.0015	-0.0014	-0.00598	0.00499
Sodium	0.05938	0.0355	0.107	14.1	5.4	42.1
Thallium	-0.0334	-0.0418	-0.026	-0.068	-0.183	-0.0188
Vanadium	-0.0018	-0.00811	0.00202	0.0018	-0.00241	0.00704
Zinc	0.0080	0.00266	0.0165	0.0147	0.00059	0.0483

() = Number of observations

Min = Minimum analytical measurement result

Max = Maximum analytical measurement result

**Table 4-18**  
**Summary of Matrix Spike and Matrix Spike Duplicate Results**

Sample	Analyte	Accuracy Objective (% Rec <sup>a</sup> )	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD <sup>b</sup> )	RPD	Precision Acceptability
G94-04-MW-03-02	Aluminum	75-125	99	100	yes	20	1	yes
	Antimony	75-125	98	90	yes	20	8.5	yes
	Arsenic	75-125	95	93	yes	20	2.1	yes
	Barium	75-125	97	96	yes	20	1	yes
	Beryllium	75-125	100	100	yes	20	0	yes
	Cadmium	75-125	89	88	yes	20	1.1	yes
	Calcium	75-125	155	86	yes	20	57	no
	Chromium	75-125	92	90	yes	20	2.2	yes
	Cobalt	75-125	90	89	yes	20	1.1	yes
	Copper	75-125	95	94	yes	20	1.1	yes
	Iron	75-125	92	92	yes	20	0	yes
	Lead	75-125	86	88	yes	20	2.3	yes
	Magnesium	75-125	101	90	yes	20	12	yes
	Manganese	75-125	124	84	yes	20	38	no
	Molybdenum	75-125	94	95	yes	20	1.1	yes
	Nickel	75-125	92	91	yes	20	1.1	yes
	Potassium	75-125	96	95	yes	20	1	yes
	Selenium	75-125	92	94	yes	20	2.2	yes
	Silver	75-125	88	88	yes	20	0	yes
	Sodium	75-125	102	101	yes	20	1	yes
	Thallium	75-125	88	82	yes	20	7.1	yes
	Vanadium	75-125	93	94	yes	20	1.1	yes
	Zinc	75-125	91	90	yes	20	1.1	yes

(Continued)

Sample	Analyte	Accuracy Objective (% Rec <sup>a</sup> )	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD <sup>b</sup> )	RPD	Precision Acceptability
G94-06-MW-05D	Aluminum	75-125	98	98	yes	20	0	yes
	Antimony	75-125	104	94	yes	20	10	yes
	Arsenic	75-125	96	97	yes	20	1	yes
	Barium	75-125	96	95	yes	20	1	yes
	Beryllium	75-125	107	107	yes	20	0	yes
	Cadmium	75-125	93	93	yes	20	0	yes
	Calcium	75-125	118	83	yes	20	35	no
	Chromium	75-125	93	94	yes	20	1.1	yes
	Cobalt	75-125	94	96	yes	20	2.1	yes
	Copper	75-125	96	96	yes	20	0	yes
	Iron	75-125	98	99	yes	20	1	yes
	Lead	75-125	97	93	yes	20	4.2	yes
	Magnesium	75-125	102	98	yes	20	4	yes
	Manganese	75-125	96	93	yes	20	3.2	yes
	Molybdenum	75-125	102	100	yes	20	2	yes
	Nickel	75-125	91	95	yes	20	4.3	yes
	Potassium	75-125	100	99	yes	20	1	yes
	Selenium	75-125	101	104	yes	20	2.9	yes
	Silver	75-125	91	92	yes	20	1.1	yes
	Sodium	75-125	99	87	yes	20	13	yes
	Thallium	75-125	92	91	yes	20	1.1	yes
	Vanadium	75-125	97	97	yes	20	0	yes
	Zinc	75-125	95	95	yes	20	0	yes

(Continued)

Section 4—Quality Control Results for Galena Airport Water Sample Analyses  
Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample	Analyte	Accuracy Objective (% Rec) <sup>a</sup>	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD) <sup>b</sup>	RPD	Precision Acceptability
G94-13-MW-37	Aluminum	75-125	96	96	yes	20	0	yes
	Antimony	75-125	87	93	yes	20	6.7	yes
	Arsenic	75-125	90	89	yes	20	1.1	yes
	Barium	75-125	93	94	yes	20	1.1	yes
	Beryllium	75-125	104	104	yes	20	0	yes
	Cadmium	75-125	85	87	yes	20	2.3	yes
	Calcium	75-125	148	129	yes	20	14	yes
	Chromium	75-125	87	87	yes	20	0	yes
	Cobalt	75-125	88	88	yes	20	0	yes
	Copper	75-125	93	93	yes	20	0	yes
	Iron	75-125	91	91	yes	20	0	yes
	Lead	75-125	86	85	yes	20	1.2	yes
	Magnesium	75-125	104	102	yes	20	1.9	yes
	Manganese	75-125	88	88	yes	20	0	yes
	Molybdenum	75-125	95	92	yes	20	3.2	yes
	Nickel	75-125	91	87	yes	20	4.5	yes
	Potassium	75-125	99	97	yes	20	2	yes
	Selenium	75-125	96	100	yes	20	4.1	yes
	Silver	75-125	86	90	yes	20	4.6	yes
	Sodium	75-125	98	97	yes	20	1	yes
	Thallium	75-125	92	99	yes	20	7.3	yes
	Vanadium	75-125	91	91	yes	20	0	yes
	Zinc	75-125	86	87	yes	20	1.2	yes

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 4-19**  
**Summary of Laboratory Control Sample Recoveries**

Analyte	N <sup>a</sup>	Mean	Median	Std	Min	Max
Aluminum	14	94.7	96.0	4.32	88	100
Antimony	14	95.3	97.0	8.80	81	109
Barium	16	95.8	96.5	2.95	91	101
Beryllium	14	100.9	101.0	6.16	92	109
Cadmium	16	90.4	93.0	6.11	81	97
Calcium	14	98.1	99.0	4.45	91	103
Chromium	16	93.6	96.0	5.44	86	100
Cobalt	14	92.2	95.0	5.28	84	98
Copper	14	94.7	95.5	3.47	90	100
Iron	14	95.2	97.5	5.29	88	102
Magnesium	14	96.1	98.0	4.23	89	101
Manganese	14	92.4	95.5	5.27	85	99
Molybdenum	14	97.6	99.0	4.83	91	104
Nickel	14	93.6	94.0	5.42	86	102
Potassium	14	95.6	97.0	3.08	91	99
Selenium	14	92.8	92.5	7.66	81	109
Silver	16	87.1	89.5	6.74	73	94
Sodium	14	95.6	96.5	3.16	90	99
Thallium	14	89.5	89.5	4.27	83	96
Vanadium	14	94.3	96.5	4.68	88	100
Zinc	14	92.1	96.0	7.26	82	101

<sup>a</sup> Number of observations include aqueous LCS/LCSD 946664 and 946637, which were run with the equipment blanks associated with the Galena 1994 soil samples.

N = Number of observations

Std = Standard deviation

Min = Minimum percent recovery

Max = Maximum percent recovery

**Table 4-20**  
**Summary of Field Duplicate Results**

Sample	Analyte	Routine (µg/Kg)	Duplicate (µg/Kg)	RPD <sup>a</sup> (%)
G94-13-MW-37 G94-13-MW-37-FD	Aluminum	-0.0427	-0.0116	114.5
	Antimony	0.03	-0.0446	1022
	Arsenic	-0.0349	0.0198	724.5
	Barium	0.165	0.169	2.4
	Beryllium	-0.00163	0.0005	377.0
	Cadmium	-0.00082	-0.00258	103.5
	Calcium	164	169	3.0
	Chromium	-0.00207	-0.00192	7.5
	Cobalt	-0.00182	0	200.0
	Copper	0.00529	0.00647	20.1
	Iron	0.00124	0.00181	37.4
	Lead	-0.0433	-0.0287	40.6
	Magnesium	31.9	32.5	1.9
	Manganese	-0.0006	0.00077	1612
	Molybdenum	-0.00041	-0.0024	141.6
	Nickel	0.00103	0.0176	177.9
	Potassium	5.16	5.54	7.1
	Selenium	-0.00931	0.0342	349.6
	Silver	-0.00201	0.00002	204.0
	Sodium	5.4	5.48	1.5
	Thallium	-0.0499	-0.0504	1.0
	Vanadium	0.00029	0.00507	178.4
	Zinc	0.00936	0.00929	0.8

<sup>a</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.



**Table 4-21**  
**Summary of Furnace Metals Blank Results**

<b>Sample Identification</b>	<b>Analyte</b>	<b>Concentration (mg/L)</b>	<b>Detection Limit (mg/L)</b>
BLK944094	Arsenic	-0.00144	0.000647
BLK944236		-0.00084	0.000647
BLK944205		-0.00199	0.00214
BLK944362		-0.00113	0.00214
BLK944094	Lead	0.00011	0.00205
BLK944236		0.00002	0.0022
BLK944362		-0.00101	0.0022



Table 4-22  
Summary of Furnace Metals Matrix Spike and Matrix Spike Duplicate Results

Sample	Analyte	Accuracy Objective (% Rec) <sup>a</sup>	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD) <sup>b</sup>	RPD	Precision Acceptability
G94-04-MW-03-02	Arsenic	90-110	107	108	yes	20	0.9	yes
G94-04-MW-03D		90-110	99	97	yes	20	2	yes
G94-06-MW-05D		90-110	107	105	yes	20	1.9	yes
G94-13-MW-37		90-110	93	93	yes	20	0	yes
G94-04-MW-03-02	Lead	90-110	93	94	yes	20	1.1	yes
G94-06-MW-05D		90-110	93	93	yes	20	0	yes
G94-13-MW-37		90-110	92	93	yes	20	1.1	yes

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 4-23**  
**Summary of Furnace Metals Laboratory Control Sample Recoveries**

Analyte	N	Mean	Median	Std	Min	Max
Arsenic	8	88.3	86.0	7.78	78	99
Lead	6	99.5	98.5	3.83	96	105

N = Number of observations

Std = Standard deviation

Min = Minimum percent recovery

Max = Maximum percent recovery

**Table 4-24**  
**Summary of Field Duplicate Results**

Sample	Analyte	Routine (mg/L)	Duplicate (mg/L)	RPD <sup>a</sup> (%)
G94-13-MW-37	Arenic	-0.00145	-0.001	36.7
G94-13-MW-37-FD	Lead	0.00056	-0.00054	11000

<sup>a</sup> Relative Percent Difference (RPD) =  $| \text{Difference} | \div \text{Mean} \times 100$ .

**Table 4-25**  
**Summary of AK101 Blank Results**

Sample Identification	Analyte	Concentration	Reporting Limit	Result Units
METHOD BLANK 58677A	Gasoline Range Organics	2	50	µg/L
G94-AB-01		5	50	µg/L
G94-TB-01		17	50	µg/L
METHOD BLANK 58683A, 58684A		3	50	µg/L
G94-TB-02		27	50	µg/L
G94-TB-03		0	50	µg/L
METHOD BLANK 58700A		2	50	µg/L
G94-TB-04		1	50	µg/L
METHOD BLANK 58700		4	50	µg/L
G94-TB-06		0	50	µg/L
G94-TB-05		1	50	µg/L
METHOD BLANK 58711A		1	50	µg/L
METHOD BLANK 58738A		0	50	µg/L
G94-TB-07		1	50	µg/L

**Table 4-26**  
**Summary of Gasoline Range Organics Surrogate Spike Recoveries**

Sample	Trifluorotoluene (60-120%)	Accuracy Acceptable
METHOD BLANK 58677A01	92	yes
METHOD BLANK 58683A01/58684A01	92	yes
METHOD BLANK 58700A01	111	yes
METHOD BLANK 58710A01	95	yes
METHOD BLANK 58711A01	97	yes
METHOD BLANK 58738A01	96	yes
G94-01-MW-01	NR <sup>a</sup>	no
G94-01-MW-01-FD	NR <sup>a</sup>	no
G94-01-MW-02	110	yes
G94-01-MW-05-MS	97	yes
G94-01-MW-05-MSD	96	yes
G94-01-MW-05	109	yes
G94-01-MW-06	101	yes
G94-01-MW-07	97	yes
G94-01-MW-08	107	yes
G94-02-GW-01	100	yes
G94-02-GW-03	99	yes
G94-02-GW-04	101	yes
G94-05-MW-02	102	yes
G94-05-MW-02-FD	98	yes
G94-05-MW-03	110	yes
G94-05-MW-04	130	yes
G94-05-MW-05	111	yes
G94-05-MW-06	95	yes
G94-05-MW-07	125	yes
G94-05-MW-11	163 <sup>a</sup>	no
G94-05-MW-13	101	yes
G94-05-MW-14	111	yes
G94-05-MW-15	93	yes
G94-06-MW-01	6600 <sup>a</sup>	no
G94-06-MW-02	124	yes
G94-06-MW-02-MS	119	yes

(Continued)

## Section 4—Quality Control Results for Galena Airport Water Sample Analyses

## QA/QC Summary Report

Kalakaket Creek RRS and Galena Airport

Sample	Trifluorotoluene (60-120%)	Accuracy Acceptable
G94-06-MW-02-MSD	116	yes
G94-06-MW-03	103	yes
G94-06-MW-03-MS	101	yes
G94-06-MW-03-MSD	100	yes
G94-06-MW-03-FD	95	yes
G94-06-MW-04	110	yes
G94-06-MW-05	NR <sup>a</sup>	no
G94-06-MW-06	93	yes
G94-06-MW-07	96	yes
G94-09-MW-01	NR <sup>a</sup>	no
G94-09-MW-02	112	yes
G94-09-MW-03	95	yes
G94-09-MW-04	100	yes
G94-09-MW-05	114	yes
G94-09-MW-05-FD	110	yes
G94-09-MW-06	NR <sup>a</sup>	no
G94-09-MW-08	90	yes
G94-09-MW-12	142	yes
G94-09-MW-15	93	yes
G94-10-MW-01	98	yes
G94-10-MW-03	NR <sup>a</sup>	no
G94-13-MW-37-MS	95	yes
G94-13-MW-37-MSD	95	yes
G94-13-MW-37	96	yes
G94-13-MW-37-FD	88	yes
G94-13-MW-38	101	yes
G94-AB-01	101	yes
G94-TB-01	99	yes
G94-TB-02	95	yes
G94-TB-03	97	yes
G94-TB-05	110	yes
G94-TB-05	98	yes
G94-TB-06	98	yes
G94-TB-07	93	yes
LCS 58677A01	100	yes

(Continued)

Section 4—Quality Control Results for Galena Airport Water Sample Analyses  
 Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample	Trifluorotoluene (60-120%)	Accuracy Acceptable
LCSD 58677A01	101	yes
LCS 58683A01	91	yes
LCSD 58683A01	92	yes
LCS 58684A01	116	yes
LCSD 58684A01	119	yes
LCS 5871DA01/58711A01	100	yes
LCSD 5871DA01/58711A01	98	yes
LCS 58738A01	95	yes
LCSD 58738A01	95	yes

<sup>a</sup> Not recovered within control limits due to matrix interference  
 NR = Not Recovered

Table 4-27  
Summary of Matrix Spike and Laboratory Control Sample Results for Gasoline Range Organics

Analytical Batch	Sample	Accuracy Objective (% Rec) <sup>a</sup>	(% Rec)	Accuracy Acceptability	Precision Objective (RPD) <sup>b</sup>	RPD	Precision Acceptability
58700	LCS	75-125	98	yes	20	11	yes
	LCSD	75-125	111	yes			
	G94-01-MW-05 MS	60-120	99	yes			
	G94-01-MW-05 MSD	60-120	103	yes			
58684	LCS	75-125	98	yes	20	4	yes
	LCSD	75-125	100	yes			
	G94-06-MW-02 MS	60-120	108	yes			
	G94-06-MW-02 MSD	60-120	103	yes			
59677	LCS	75-125	116	yes	20	19	yes
	LCSD	75-125	96	yes			
	G94-06-MW-03 MS	60-120	116	yes			
	G94-06-MW-03 MSD	60-120	109	yes			
58710/58711	LCS	75-125	98	yes	20	12	yes
	LCSD	75-125	111	yes			
58863	LCS	75-125	98	yes	20	2	yes
	LCSD	75-125	100	yes			
58738	LCS	75-125	87	yes	20	7	yes
	LCSD	75-125	81	yes			
	G94-13-MW-37 MS	60-120	90	yes			
	G94-13-MW-37 MSD	60-120	85	yes			

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

MS = Matrix Spike

MSD = Matrix Spike Duplicate



**Table 4-28**  
**Summary of Gasoline Range Organics Field Duplicate Results**

Sample	Analyte	Routine (µg/L)	Duplicate (µg/L)	RPD* (%)
G94-01-MW-01 G94-01-MW-01-FD	Gasoline Range Organics	380	370	2.7
G94-05-MW-02 G94-05-MW-02-FD	Gasoline Range Organics	0	0	0.0
G94-06-MW-03 G94-06-MW-03-FD	Gasoline Range Organics	7	4	54.5
G94-09-MW-05 G94-09-MW-05-FD	Gasoline Range Organics	13	10	26.1
G94-13-MW-37 G94-13-MW-37-FD	Gasoline Range Organics	9	5	57.1

\* Relative Percent Difference (RPD) =  $| \text{Difference} | \div \text{Mean} \times 100$ .

**Table 4-29**  
**Summary of AK102 Blank Results**

Sample Identification	Analyte	Concentration (µg/L)	Reporting Limit (µg/L)
METHOD BLANK 58677B	Diesel Range Organics	0	100
METHOD BLANK 58683B		0	100
METHOD BLANK 58684B		0	100
METHOD BLANK 58700		0	100
METHOD BLANK 58710B		0	100
METHOD BLANK 58711B		0	100
METHOD BLANK 58738B		17	100

**Table 4-30**  
**Summary of Surrogate Spike Recoveries for**  
**Diesel Range Organics (DRO)**

Sample	Tetracosane (60-120%)	Acceptable Accuracy
METHOD BLANK 58677B01	56	no
METHOD BLANK 58683B01	56	no
METHOD BLANK 58684B01	56	no
METHOD BLANK 58700B01	83	yes
METHOD BLANK 58710B01	83	yes
METHOD BLANK 58711B01	83	yes
METHOD BLANK 58738B01	89	yes
G94-01-MW-01	70	yes
G94-01-MW-01-FD	69	yes
G94-01-MW-02	106	yes
G94-01-MW-05-MS	97	yes
G94-01-MW-05-MSD	96	yes
G94-01-MW-05	83	yes
G94-01-MW-06	101	yes
G94-01-MW-07	99	yes
G94-01-MW-08	113	yes
G94-02-GW-01	105	yes
G94-02-GW-03	58	no
G94-02-GW-04	62	yes
G94-05-MW-02	115	yes
G94-05-MW-02-FD	78	yes
G94-05-MW-03	69	yes
G94-05-MW-04	91	yes
G94-05-MW-05	70	yes
G94-05-MW-06	68	yes
G94-05-MW-07	66	yes
G94-05-MW-11	75	yes
G94-05-MW-13	103	yes
G94-05-MW-14	80	yes
G94-05-MW-15	71	yes
G94-06-MW-01	83	yes
G94-06-MW-02	71	yes

(Continued)

Sample	Tetracosane (60-120%)	Acceptable Accuracy
G94-06-MW-02-MS	60	yes
G94-06-MW-02-MSD	74	yes
G94-06-MW-03-MS	70	yes
G94-06-MW-03-MSD	68	yes
G94-06-MW-03	54	no
G94-06-MW-03-FD	57	no
G94-06-MW-04	94	yes
G94-06-MW-05	62	yes
G94-06-MW-06	72	yes
G94-06-MW-07	70	yes
G94-09-MW-01	104	yes
G94-09-MW-02	115	yes
G94-09-MW-03	82	yes
G94-09-MW-04	74	yes
G94-09-MW-05	94	yes
G94-09-MW-05-FD	73	yes
G94-09-MW-06	79	yes
G94-09-MW-08	76	yes
G94-09-MW-12	diluted out	no
G94-09-MW-15	104	yes
G94-10-MW-01	103	yes
G94-10-MW-03	74	yes
G94-13-MW-37-MSD	98	yes
G94-13-MW-37-MS	137	no
G94-13-MW-37	83	yes
G94-13-MW-37-FD	90	yes
G94-13-MW-38	79	yes
LCS 58677B01	68	yes
LCSD 58677B01	70	yes
LCS 58683B01	68	yes
LCSD 58683B01	85	yes
LCS 58684B01	74	yes
LCSD 58684B01	60	yes
LCS 58700B01	96	yes

(Continued)

Section 4—Quality Control Results for Galena Airport Water Sample Analyses

Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample	Tetracosane (60-120%)	Acceptable Accuracy
LCSD58700B01	97	yes
LCS 58710B01/58711B01	93	yes
LCSD 58710B01/58711B01	97	yes
LCS 58738B01	117	yes
LCSD 58738B01	114	yes

Table 4-31  
Summary of Matrix Spike and Laboratory Control Sample Results for Diesel Range Organics

Analytical Batch	Sample	Accuracy Objective (% Rec <sup>a</sup> )	(% Rec)	Accuracy Acceptability	Precision Objective (RPD <sup>b</sup> )	RPD	Precision Acceptability
58710	LCS	75-125	69	yes	20	10	yes
58711	LCSD	75-125	76	yes			
58700	LCS	75-125	68	no	20	2	yes
	LCSD	75-125	66	no			
	G94-01-MW-05 MS	60-120	66	yes	20	2	yes
	G94-01-MW-05 MSD	60-120	68	yes			
58677	LCS	75-125	54	no	20	5	yes
58863	LCSD	75-125	57	no			
58684	LCS	75-125	53	no	20	2	yes
	LCSD	75-125	52	no			
	G94-06-MW-03 MS	60-120	52	no	20	2	yes
	G94-06-MW-03 MSD	60-120	53	no			
	G94-06-MW-02 MS	60-120	64	yes	20	6	yes
	G94-06-MW-02 MSD	60-120	68	yes			
58738	LCS	75-125	89	yes	20	21	no
	LCSD	75-125	72	yes			
	G94-13-MW-37 MS	60-120	122	no	20	32	no
	G94-13-MW-37 MSD	60-120	88	yes			

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 4-32**  
**Summary of Diesel Range Organics Field Duplicate Results**

Sample	Analyte	Routine (µg/L)	Duplicate (µg/L)	RPD* (%)
G94-01-MW-01 G94-01-MW-01-FD	Diesel Range Organics	170	85	66.7
G94-05-MW-02 G94-05-MW-02-FD	Diesel Range Organics	40	25	46.2
G94-06-MW-03 G94-06-MW-03-FD	Diesel Range Organics	58	0	200.0
G94-09-MW-05 G94-09-MW-05-FD	Diesel Range Organics	12	10	18.2
G94-13-MW-37 G94-13-MW-37-FD	Diesel Range Organics	34	15	77.6

\* Relative Percent Difference (RPD) =  $| \text{Difference} | \div \text{Mean} \times 100$ .

**Table 4-33**  
**Summary of Alkalinity Field Duplicate Results**

Sample	Analyte	Routine (mg/L)	Duplicate (mg/L)	RPD <sup>a</sup> (%)
G94-01-MW-01 G94-01-MW-01-FD	Alkalinity	611	611	0.0
G94-05-MW-02 G94-05-MW-02-FD	Alkalinity	402	402	0.0
G94-06-MW-03 G94-06-MW-03-FD	Alkalinity	646	646	0.0
G94-09-MW-05 G94-09-MW-05-FD	Alkalinity	443	443	0.0
G94-13-MW-37 G94-13-MW-37-FD	Alkalinity	508	508	0.0

<sup>a</sup> Relative Percent Difference (RPD) =  $| \text{Difference} | \div \text{Mean} \times 100$ .



## Section 5

# QUALITY CONTROL RESULTS FOR GALENA AIRPORT SOIL SAMPLE ANALYSES

QC procedures and activities implemented during this program provide a basis for estimating data precision and accuracy. QC procedures associated with investigative soil samples included the analysis of laboratory and field blanks, matrix and surrogate spikes, and LCSs. Results of these analyses are discussed in this section.

### 5.1 Volatile Organics by SW-846 Method 8240

All sample analyses were performed within the EPA- and project QAPP-specified maximum holding time requirements.

**Method Blank Sample Results**—Method blanks (see Table 5-1) were analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blank samples analyzed did not have any target analytes reported at or above the stated detection limits, except for methylene chloride and acetone, which are common laboratory contaminants. Methylene chloride and acetone were reported at low concentrations near the sample-specific detection limits. However, the concentrations reported for these analytes were within the acceptance criteria specified in the QAPP. Overall, the results of these analyses indicate that no significant contribution from handling, preparation, or analyses occurred in the laboratory.

**Trip Blank Sample Results**—One trip blank was collected and analyzed for each sampling day. The trip blanks accompanied the samples shipped to the laboratory so that the samples could be monitored for potential

contamination during sampling, storage, or transport. The results for the trip blanks are summarized in Table 5-1. The trip blanks had similar levels of methylene chloride and acetone that were detected in the method blanks. Additionally, one trip blank had MEK reported in the samples. However these concentrations were less than the acceptance limits and required no corrective action by the laboratory. Overall, these results may be attributed to laboratory contamination and do not indicate significant contamination of samples from sampling, storage, or transport of the field samples.

**Equipment Blank Results**—An equipment blank (see Table 5-1) was collected and analyzed for volatile organics. The equipment blank analyzed had methylene chloride and acetone detected near the stated detection limits. These results are similar to the analytical results for the method and trip blanks. Consequently, these analyses indicate that the cleaning process in the field was adequate and did not artificially introduce contaminants to the field samples.

**Surrogate Recoveries**—Three surrogate standards (toluene-d8, 1-bromo-4-fluorobenzene, and 1,2-dichloroethane-d4) were added to every sample analyzed for volatile organics. The surrogates were used to monitor purging efficiency and to provide an estimate of analytical measurement accuracy. The surrogate recoveries for the field samples were within the laboratory control limits for 1,4-bromofluorobenzene (74%-121%), 1,2-dichloroethane-d4 (70%-121%), and toluene-d8 (81%-117%). The surrogate recoveries for the field samples and equipment

and trip blanks are listed in Table 5-2. Overall, the surrogate recoveries indicate that the analytical systems were in control at the time of sample analysis.

**Matrix Spike Results**—One sample was selected for spiking with five VOCs to assess matrix effects on analyte recovery. The samples were spiked with benzene, chlorobenzene, 1,1-dichloroethene, toluene, and trichloroethene. The percent recovery for all of the spike compounds was acceptable for both MS and MSD recoveries. The RPD for the MS/MSD pairs demonstrate excellent method precision. The percent recoveries and RPD for the MS and MSD samples are summarized in Table 5-3.

**Laboratory Control Sample Results**—An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field samples. The results of the LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for the LCS and LCS duplicate samples. The LCS results analyzed with the soil samples are summarized in Table 5-4, which includes the analyte, number of observations, mean, median, standard deviation, minimum percent recovery, and maximum percent recovery (max). A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Field samples were not collected in duplicate and submitted to the laboratory for analysis. Consequently, sampling and analytical precision cannot be estimated.

## 5.2 Semivolatile Organics by SW-846 Method 8270

All sample preparation and analyses were performed within the EPA- and project QAPP-specified maximum holding time requirements.

**Method Blank Results**—Method blanks were analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blanks did not have any semivolatile compounds reported at or below the stated detection limits. The results of these analyses indicate that no significant contaminant contribution from handling, preparation, or analyses occurred in the laboratory. A summary of the blanks analyzed with the field samples is provided in Table 5-5.

**Equipment Blank Results**—One equipment blank (see Table 5-5) was collected and analyzed for semivolatile organics. The equipment blank analyzed did not have target analytes reported at or below the stated detection limits. Consequently, these analyses indicate that the cleaning process in the field was adequate and did not artificially introduce contaminants to the field samples.

**Surrogate Recoveries**—Six surrogate standards were added to every sample analyzed for semivolatile organics. The surrogates spiked in the samples were 2-fluorobiphenyl, 2-fluorophenol, nitrobenzene-d5, phenol-d5, terphenyl-d14, and 2,4,6-tribromophenol. The surrogate recoveries were within the laboratory control limits for 2-fluorobiphenyl (54%-115%), 2-fluorophenol (46%-119%), nitrobenzene-d5 (49%-120%), phenol-d5 (50%-122%), terphenyl-d14 (53%-153%), and 2,4,6-tribromophenol (19%-122%). The surrogate recoveries for the field samples and equipment blank are

summarized in Table 5-6. These surrogate recoveries indicate that the analytical systems were in control at the time of sample analysis.

**Matrix Spike Results**—One sample was selected for spiking with 11 semivolatile compounds to assess matrix effects on analyte recovery. The percent recovery for all of the spike compounds was acceptable for both MS and MSD recoveries. The RPD for the MS/MSD pairs demonstrate excellent method precision. The percent recoveries and RPD for the MS and MSD samples are summarized in Table 5-7.

**Laboratory Control Sample Results**—An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field samples. Results of LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for the LCS and LCS duplicate samples. All the RPD for the LCS and LCS duplicate samples were within the laboratory control limits. The LCS results are summarized in Table 5-8, which includes the analyte, number of observations, mean, median, standard deviation, minimum percent recovery, and maximum percent recovery. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Field samples were not collected in duplicate and submitted to the laboratory for analysis. Consequently, sampling and analytical precision cannot be estimated.

### 5.3 Dioxins and Furans by SW-846-Method 8280

All sample preparation and analyses were performed within the EPA- and project QAPP-specified maximum holding time requirements.

**Method Blank Results**—Method blanks were analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blanks did not have any target compounds reported at or below the stated detection limits. The results of these analyses indicate that no significant contribution from handling, preparation, or analyses occurred in the laboratory. A summary of the blanks analyzed with the field samples is provided in Table 5-9.

**Equipment Blank Results**—One equipment blank (see Table 5-9) was collected and analyzed for dioxin and furans. The equipment blank analyzed did not have target analytes reported at or below the stated detection limits. Consequently, these analyses indicate that the cleaning process in the field was adequate and did not artificially introduce contaminants to the field samples.

**Surrogate Recoveries**—Surrogate standards were added to every sample analyzed for dioxin and furans. The surrogate recoveries were within the laboratory control limits (40%-120%) for all of the surrogates spiked into the field samples. The surrogate recoveries for the field samples and equipment blank are summarized in Table 5-10. These surrogate recoveries indicate that the analytical systems were in control at the time of sample analysis.

**Laboratory Control Sample Results**—LCS and LCS duplicate samples were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field

samples. Results of LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. The target analyte (2,3,7,8-TCDD) was recovered within the laboratory control limits for the LCS and LCS duplicate samples. The average recovery for the four solid LCS samples was 80.3%, with a recovery range of 68% to 93%. All the RPD for the LCS and LCS duplicate samples were within the laboratory control limits. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Field samples were not collected in duplicate and submitted to the laboratory for analysis. Consequently, sampling and analytical precision cannot be estimated.

#### **5.4 Organochlorine Pesticides and Polychlorinated Biphenyls (PCBs) by SW-846-Method 8080**

All sample preparation and analyses were performed within the EPA-and project QAPP-specified maximum holding time requirements.

**Method Blank Results**—Method blanks were analyzed with each analytical batch to assess potential background contamination in the laboratory. The four method blanks analyzed with the soil samples had low levels (see Table 5-11) of endrin, aldrin, delta-BHC, and dieldrin. However, these values are below the acceptance requirements of the QAPP; consequently, the data are acceptable.

**Equipment Blank Results**—Three equipment blanks (see Table 5-11) were collected and analyzed for the target analytes. The target analytes reported were less than the acceptance limits in the QAPP. Consequently, these analy-

ses indicate that the cleaning process in the field was adequate and did not artificially introduce significant contaminants to the field samples.

**Surrogate Recoveries**—Two surrogate standards were added to every sample analyzed for organochlorine pesticides and PCBs. The surrogates spiked in the samples were dibutylchloredate and 2,4,5,6-tetrachloro-m-xylene. A majority of the surrogate recoveries on the primary column were within the laboratory control limits for dibutylchloredate (20%-150%) and 2,4,5,6-tetrachloro-m-xylene (20%-150%). Six samples had one surrogate (dibutylchloredate) recovered outside the control limits because of high target analyte concentrations. One sample (G94-MB-SS-10) had both surrogate diluted out because of high target analyte concentrations (e.g., greater than 80,000  $\mu\text{g/kg}$  of 4,4'-DDT). Consequently, the surrogates were diluted out or the high target analyte concentrations interfered with surrogate recovery. A summary of surrogate recoveries in the field samples and equipment blanks are summarized in Table 5-12. These results indicate that the analytical systems were in control at the time of sample analysis.

**Matrix Spike Results**—Four samples were selected for spiking with six organochlorine pesticides to assess matrix effects on analyte recovery. The sample was spiked with aldrin,  $\gamma$ -BHC, 4,4'-DDT, dieldrin, endrin, and heptachlor. The matrix spike pair for sample G94-MB-SS-01 was analyzed twice. The percent recoveries were acceptable for most of the MS and MSD recoveries. The five occurrences when both the MS and MSD recoveries were outside the control limits were caused by matrix effects. For example, field sample G94-DD-SS-01 had a reported value of 23,900  $\mu\text{g/kg}$  for 4,4'-DDD. Overall, the RPD for the MS/MSD recoveries indicate acceptable method precision. The

percent recoveries and RPD for the MS and MSD samples are summarized in Table 5-13.

**Laboratory Control Sample Results—**An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field samples. Results of LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for the LCS and LCS duplicate samples, except for endrin aldehyde. All the RPD for the LCS and LCS duplicate samples were within the laboratory control limits, except for endrin aldehyde. The LCS results are summarized in Table 5-14, which includes the analyte, number of observations, mean, median, standard deviation, minimum percent recovery, and maximum percent recovery. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis—**Field samples were not collected in duplicate and submitted to the laboratory for analysis. Consequently, sampling and analytical precision cannot be estimated.

### 5.5 Inductively Coupled Plasma Emission Spectroscopy (ICPES) Metals Analyses

Soil samples were collected and analyzed for aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc by SW-846 Method 6010. All sample preparation and analyses were performed within the EPA- and project QAPP-specified maximum holding time requirements.

**Method Blank Results—**Method blanks were analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blanks reported had low levels of target analytes detected slightly above or below the stated detection limits. The individual measurement results for the method blanks are summarized in Table 5-15. The measurement values are within the QAPP criteria; consequently, the method blank results were acceptable. Additionally, Table 5-16 compares the mean, minimum, and maximum concentrations of the method blanks, equipment blank, and field (normal) samples. Overall, the results of these analyses indicate that no significant contribution from handling, preparation, or analyses occurred in the laboratory. However, data users are encouraged to review low levels (concentrations near the detection limit) of metals reported relative to the concentration detected in the method blanks to determine the reasonability of data prior to making final conclusions.

**Equipment Blank Results—**One equipment blank (see Table 5-15) was collected and analyzed for the target analytes. The target analytes reported were less than the stated detection limits or similar to the method blank analytical measurement results (see Table 5-16). Consequently, these analyses indicate that the cleaning process in the field was adequate and did not artificially introduce contaminants to the field samples.

**Matrix Spike Results—**One sample was selected for spiking with the target compounds to assess matrix effects on metals recovery. The majority of the spike compound recoveries were within laboratory control limits for a majority of the MS and MSD. The MSD results demonstrate excellent method precision. The LCS/LCS duplicate samples were in control for each batch when the percent recoveries or the RPD for the



MS/MSD samples were not within the control limits. The MS and MSD recoveries and calculated RPD values are summarized in Table 5-17.

**Laboratory Control Sample Results—**A solid and a liquid LCS and LCS duplicate sample were analyzed with each analytical batch. These samples were processed through the same sample handling procedures as those for the field samples. Results of LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for the solid LCS and LCS duplicate samples. All the RPD for the LCS and LCS duplicate samples were within the laboratory control limits. The solid LCS results are summarized in Table 5-18, which includes the analyte, number of observations, mean, median, standard deviation, minimum percent recovery, and maximum percent recovery. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis—**Field samples were not collected in duplicate and submitted to the laboratory for analysis. Consequently, sampling and analytical precision cannot be estimated.

#### 5.6 Alaska Method AK101.0 for Gasoline Range Organics

All sample preparation and analyses were performed within method requirements and the project QAPP-specified maximum holding time requirements.

**Method Blank Results—**A method blank was analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blank (see Table 5-19) did not have any GRO detected at or above the stated

reporting limit. The results of this analysis indicate that no significant contaminant contribution of GRO from handling, preparation, or analyses occurred in the laboratory.

**Trip Blank Sample Results—**One trip blank was collected and analyzed for the sampling day. The trip blank accompanied the samples shipped to the laboratory so that the samples could be monitored for potential contamination during sampling, storage, or transport. The results for the trip blank are summarized in Table 5-19. GRO were not detected in the trip blank. The trip blank result indicates no significant contamination of samples from sampling, storage, or transport of the field samples.

**Equipment Blank Results—**Two equipment blanks (see Table 5-19) were collected and analyzed for GRO. The equipment blanks analyzed did not have GRO reported at or above the stated reporting limit. This analysis would indicate that the cleaning process in the field was adequate and did not artificially introduce significant levels of sulfate to the field samples.

**Surrogate Recoveries—**A surrogate standard (trifluorotoluene) was added to every sample analyzed for GRO. The surrogate recoveries were within the QAPP acceptance limits of 60%-120%. The surrogate recoveries for the field samples, trip blank, and equipment blanks are summarized in Table 5-20. These surrogate recoveries indicate the analytical systems were in control at the time of sample analysis.

**Matrix Spike Results—**Two samples were selected for spiking with GRO to assess matrix effects on analyte recovery. The percent recovery for the GRO G94-PO-SS-01 spike sample was acceptable for both MS and MSD recoveries. The RPD for the MS/MSD pairs demonstrate acceptable method precision. The

MS and MSD were not recovered from field sample G94-DD-SS-01. The laboratory stated the spike was not recovered because of interference (high target analyte concentration) in the field sample relative to the spiking concentration. The sample had 72 mg/kg GRO and the spiking concentration was 6.0 mg/kg. The percent recoveries and RPD for the MS and MSD samples are summarized in Table 5-21.

**Laboratory Control Sample Results—**An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field samples. These samples were processed through the same sample handling procedures as those for the field samples. The results of the LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. All of the target analytes were recovered within the laboratory control limits for the LCS and LCS duplicate samples. The LCS results are summarized in Table 5-21. A review of these data indicates both acceptable method accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis—**Field samples were not collected in duplicate and submitted to the laboratory for analysis. Consequently, sampling and analytical precision cannot be estimated.

#### **5.7 Alaska Method AK102.0 for Diesel Range Organics**

All sample preparation and analyses were performed within method requirements and the project QAPP-specified maximum holding time requirements.

**Method Blank Results—**A method blank was analyzed with each analytical batch to assess potential background contamination in the laboratory. The method blanks (see Table 5-22) did

not have any DRO detected at or above the stated reporting limit. The results of this analysis indicate that no significant contaminant contribution of DRO from handling, preparation, or analyses occurred in the laboratory.

**Equipment Blank Results—**Two equipment blanks were collected and analyzed for DRO. The equipment blanks analyzed did not have DRO reported at or above the stated reporting limit. The equipment blank results are listed in Table 5-22. These analyses would indicate that the cleaning process in the field was adequate and did not artificially introduce significant levels of DRO to the field samples.

**Surrogate Recoveries—**A surrogate standard (tetracosane) was added to every sample analyzed for DRO. Several surrogate recoveries were not within the QAPP acceptance limits of 60%-120%. The surrogate was recovered above the percent recovery acceptance criteria. The high recoveries were attributed to matrix interference. The DRO surrogate recoveries for the field samples and equipment blanks are summarized in Table 5-23.

**Matrix Spike Results—**Two samples were selected for spiking with DRO to assess matrix effects on analyte recovery. The percent recovery for the DRO spike samples was slightly high in three of the four spike samples. However, the recoveries were within 6% of the upper control limit, which indicates a potential for matrix interference. The RPD for these MS/MSD pairs demonstrate acceptable method precision. The percent recoveries and RPD for the MS and MSD samples are summarized in Table 5-24.

**Laboratory Control Sample Results—**An LCS and LCS duplicate sample were analyzed in the same analytical batch as the field

samples. These samples were processed through the same sample handling procedures as those for the field samples. The results of the LCS/LCS duplicate analyses estimate method accuracy and precision in a clean matrix. The target analytes were recovered within the laboratory control limits for the LCS/LCS duplicate pair. The LCS results are summarized in Table 5-24. A review of these data indicates both acceptable method

accuracy and no significant bias because of improper calibration of the analytical systems.

**Field Duplicate Analysis**—Field samples were not collected in duplicate and submitted to the laboratory for analysis. Consequently, sampling and analytical precision cannot be estimated.



**Table 5-1**  
**Summary of GC/MS Volatile Blank Results**

Sample Identification	Analyte	Concentration	Detection Limit	Result Units
BLK944177	Methylene chloride	1.5	2.21	µg/kg
	Acetone	7.85	1.27	µg/kg
G94-TB-11	Methylene chloride	0.99	2.21	µg/kg
	Acetone	27	1.27	µg/kg
	Methyl ethyl ketone	3.36	1.29	µg/kg
G94-TB-09	Acetone	27.1	1.27	µg/kg
	Methyl ethyl ketone	2.97	1.29	µg/kg
G94-PO-SS-02-EB	Methylene chloride	1.89	2.21	µg/kg
	Acetone	13.1	1.27	µg/kg

**Table 5-2**  
**Summary of GC/MS Volatile Surrogate Spike Recoveries**

Sample	1,4-Bromofluorobenzene (74-121%)	1,2-Dichloro-ethane-d <sub>4</sub> (70-121%)	Toluene-d <sub>8</sub> (81-117%)	Accuracy Acceptable
BLK944177	90	112	98	yes
G94-PO-SS-01-MSD	75	108	94	yes
G94-PO-SS-01-MS	77	113	96	yes
G94-PO-SS-01	79	117	96	yes
G94-PO-SS-02	82	110	95	yes
G94-PO-SS-02-EB	91	118	109	yes
G94-TB-09	88	116	101	yes
G94-TB-11	89	115	101	yes
LCS946493	92	104	102	yes
LCSD946494	95	114	100	yes

Table 5-3  
Summary of Matrix Spike and Matrix Spike Duplicate Results

Sample	Analyte	Accuracy Objective (% Rec)	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD)	RPD	Precision Acceptability
G94-PO-SS-01	1,1-Dichloroethene	0.1-234	95	79	yes	133	18	yes
	Trichloroethene	71-157	81	75	yes	39	7.7	yes
	Benzene	37-151	111	99	yes	60	11	yes
	Toluene	47-150	99	88	yes	53	12	yes
	Chlorobenzene	37-160	96	92	yes	63	4.3	yes

\* Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 5-4**  
**Summary of GC/MS Purgeable Solid Laboratory Control Sample Recoveries**

Analyte	N	Mean	Median	Std	Min	Max
1,1,1-Trichloroethane	2	110.0	110.0	9.90	103	117
1,1,2,2-Tetrachloroethane	2	105.5	105.5	2.12	104	107
1,1,2-Trichloroethane	2	92.5	92.5	4.95	89	96
1,1-Dichloroethane	2	99.0	99.0	9.90	92	106
1,1-Dichloroethene	2	103.0	103.0	9.90	96	110
1,2-Dichloroethane	2	104.0	104.0	9.90	97	111
1,2-Dichloropropane	2	98.5	98.5	6.36	94	103
2-Chloroethyl vinyl ether	2	209.5	209.5	13.4	200	219
2-Hexanone	2	92.5	92.5	2.12	91	94
4-Methyl-2-Pentanone(MIBK)	2	100.5	100.5	2.12	99	102
Acetone	2	125.5	125.5	3.54	123	128
Benzene	2	107.0	107.0	4.24	104	110
Bromodichloromethane	2	99.5	99.5	3.54	97	102
Bromomethane	2	83.5	83.5	6.36	79	88
Carbon disulfide	2	100.5	100.5	9.19	94	107
Carbon tetrachloride	2	106.0	106.0	1.41	105	107
Chlorobenzene	2	91.5	91.5	0.71	91	92
Chloroethane	2	91.5	91.5	6.36	87	96
Chloroform	2	101.5	101.5	3.54	99	104
Chloromethane	2	84.0	84.0	7.07	79	89
Dibromochloromethane	2	84.5	84.5	2.12	83	86
Ethyl benzene	2	89.5	89.5	4.95	86	93
Methyl ethyl ketone	2	89.5	89.5	2.12	88	91
Methylene Chloride	2	103.0	103.0	5.66	99	107
Styrene	2	88.5	88.5	3.54	86	91
Tetrachloroethene	2	89.5	89.5	0.71	89	90
Toluene	2	99.0	99.0	4.24	96	102
Tribromomethane(Bromoform)	2	76.0	76.0	1.41	75	77
Trichloroethene	2	85.0	85.0	4.24	82	88
Vinyl Chloride	2	80.0	80.0	5.66	76	84
Vinyl acetate	2	121.5	121.5	7.78	116	127
Xylene (total)	2	92.0	92.0	4.24	89	95
cis-1,3-Dichloropropene	2	96.0	96.0	4.24	93	99
trans-1,2-Dichloroethene	2	100.0	100.0	8.49	94	106
trans-1,3-Dichloropropene	2	93.5	93.5	6.36	89	98

N = Number of observations

Min = Minimum percent recovery

Std = Standard deviation

Max = Maximum percent recovery

**Table 5-5**  
**Summary of Semivolatile Blank Results**

Sample Identification	Analyte	Concentration	Detection Limit	Result Units
BLK944216	None Detected	--	--	µg/L
BLK944279	None Detected	--	--	µg/L
G94-PO-SS-02-EB	None Detected	--	--	µg/L
BLK944291	None Detected	--	--	µg/g

**Table 5-6**  
**Summary of Surrogate Spike Recoveries**

Sample	2-FBP (54-115%)	2-FPH (46-119%)	NB-d <sub>5</sub> (49-120%)	Ph-d <sub>5</sub> (50-122%)	TP-d1 <sub>4</sub> (53-153%)	2,4,6-TBP (19-122%)	Accuracy Acceptable
BLK944216	89	99	100	104	113	103	yes
BLK944279	83	85	87	90	98	86	yes
BLK944291	97	97	97	101	108	92	yes
G94-PO-SS-01-MSD	102	98	104	103	113	102	yes
G94-PO-SS-01-MS	95	99	100	101	112	94	yes
G94-PO-SS-01	100	97	101	101	113	100	yes
G94-PO-SS-02	95	94	95	99	112	99	yes
G94-PO-SS-02-EB	88	92	93	98	100	90	yes
LCS946534	93	96	101	100	106	96	yes
LCS946628	97	88	93	93	101	94	yes
LCS946649	98	101	103	105	112	101	yes
LCSD946534	91	90	94	97	102	98	yes
LCSD946628	87	91	92	93	96	85	yes
LCSD946649	98	99	101	102	100	88	yes

2-FB 2-Fluorobiphenyl  
 2-FPH 2-Fluorophenol  
 NB-d<sub>5</sub> Nitrobenzene-d<sub>5</sub>  
 PH-d<sub>5</sub> Phenol-d<sub>5</sub>  
 TP-d1<sub>4</sub> Terphenyl-d1<sub>4</sub>  
 2,4,6-TBP 2,4,6-Tribromophenol

Table 5-7  
Summary of Matrix Spike and Matrix Spike Duplicate Results

Sample	Analyte	Accuracy Objective (% Rec)	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD)	RPD	Precision Acceptability
G94-PO-SS-01	Phenol	5-112	88	89	yes	76	1.1	yes
	2-Chlorophenol	23-134	92	90	yes	81	2.2	yes
	1,4-Dichlorobenzene	20-124	91	91	yes	81	0	yes
	N-Nitroso-di-n-propylamine	0.1-230	96	99	yes	113	3.1	yes
	1,2,4-Trichlorobenzene	44-142	97	102	yes	59	5	yes
	4-Chloro-3-methylphenol	22-147	91	96	yes	84	5.4	yes
	2,4-Dinitrotoluene	39-139	92	97	yes	62	5.3	yes
	Acenaphthene	47-145	89	97	yes	56	8.6	yes
	4-Nitrophenol	0.1-132	98	106	yes	124	7.8	yes
	Pentachlorophenol	14-176	90	91	yes	86	1.1	yes
	Pyrene	52-115	109	109	yes	43	0	yes

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 5-8**  
**Summary of Solid Laboratory Control Sample Recoveries**

Analyte	N	Mean	Median	Std	Min	Max
1,2,4-Trichlorobenzene	2	104.0	104.0	1.41	103	105
1,2-Dichlorobenzene	2	103.0	103.0	4.24	100	106
1,3-Dichlorobenzene	2	103.0	103.0	2.83	101	105
1,4-Dichlorobenzene	2	99.0	99.0	0.00	99	99
2,4,5-Trichlorophenol	2	103.5	103.5	3.54	101	106
2,4,6-Trichlorophenol	2	85.5	85.5	2.12	84	87
2,4-Dichlorophenol	2	99.5	99.5	0.71	99	100
2,4-Dimethylphenol	2	66.5	66.5	2.12	65	68
2,4-Dinitrophenol	2	129.0	129.0	1.41	128	130
2,4-Dinitrotoluene	2	100.0	100.0	1.41	99	101
2,6-Dinitrotoluene	2	113.5	113.5	3.54	111	116
2-Chloronaphthalene	2	91.5	91.5	3.54	89	94
2-Chlorophenol	2	101.0	101.0	1.41	100	102
2-Methylnaphthalene	2	107.5	107.5	0.71	107	108
2-Methylphenol	2	94.5	94.5	2.12	93	96
2-Nitroaniline	2	102.0	102.0	2.83	100	104
2-Nitrophenol	2	107.5	107.5	2.12	106	109
3,3'-Dichlorobenzidine	2	143.0	143.0	5.66	139	147
3-Nitroaniline	2	107.5	107.5	3.54	105	110
4,6-Dinitro-2-methylphenol	2	126.5	126.5	4.95	123	130
4-Bromophenyl phenyl ether	2	107.0	107.0	1.41	106	108
4-Chloro-3-methylphenol	2	99.0	99.0	0.00	99	99
4-Chlorophenyl phenyl ether	2	111.0	111.0	4.24	108	114
4-Methylphenol/3-Methylphenol	2	94.5	94.5	0.71	94	95
4-Nitroaniline	2	94.0	94.0	2.83	92	96
4-Nitrophenol	2	103.5	103.5	0.71	103	104
Acenaphthene	2	97.5	97.5	0.71	97	98
Acenaphthylene	2	110.0	110.0	2.83	108	112
Anthracene	2	111.0	111.0	1.41	110	112
Benzo(a)anthracene	2	113.5	113.5	4.95	110	117
Benzo(a)pyrene	2	104.0	104.0	0.00	104	104
Benzo(b)fluoranthene	2	101.5	101.5	2.12	100	103
Benzo(g,h,i)perylene	2	120.0	120.0	4.24	117	123
Benzo(k)fluoranthene	2	121.0	121.0	2.83	119	123
Benzoic acid	2	70.0	70.0	1.41	69	71

(Continued)



Section 5—Quality Control Results for Galena Airport Soil Sample Analyses  
Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Analyte	N	Mean	Median	Std	Min	Max
Benzyl alcohol	2	109.5	109.5	0.71	109	110
Butylbenzylphthalate	2	115.0	115.0	4.24	112	118
Chrysene	2	105.5	105.5	7.78	100	111
Di-n-octylphthalate	2	130.5	130.5	0.71	130	131
Dibenz(a,h)anthracene	2	103.0	103.0	5.66	99	107
Dibenzofuran	2	102.0	102.0	2.83	100	104
Dibutylphthalate	2	113.5	113.5	3.54	111	116
Diethylphthalate	2	110.5	110.5	2.12	109	112
Dimethylphthalate	2	106.5	106.5	3.54	104	109
Diphenylamine	2	101.0	101.0	4.24	98	104
Fluoranthene	2	104.5	104.5	0.71	104	105
Fluorene	2	91.5	91.5	2.12	90	93
Hexachlorobenzene	2	104.5	104.5	4.95	101	108
Hexachlorobutadiene	2	103.0	103.0	4.24	100	106
Hexachlorocyclopentadiene	2	44.0	44.0	0.00	44	44
Hexachloroethane	2	111.5	111.5	2.12	110	113
Indeno(1,2,3-cd)pyrene	2	105.5	105.5	2.12	104	107
Isophorone	2	112.0	112.0	0.00	112	112
N-Nitroso-di-n-propylamine	2	106.5	106.5	0.71	106	107
Naphthalene	2	104.5	104.5	0.71	104	105
Nitrobenzene	2	105.0	105.0	1.41	104	106
Pentachlorophenol	2	92.0	92.0	1.41	91	93
Phenanthrene	2	98.0	98.0	1.41	97	99
Phenol	2	101.5	101.5	0.71	101	102
Pyrene	2	107.5	107.5	0.71	107	108
bis(2-Chloroethoxy)methane	2	100.0	100.0	1.41	99	101
bis(2-Chloroethyl)ether	2	97.0	97.0	1.41	96	98
bis(2-Chloroisopropyl)ether	2	95.0	95.0	0.00	95	95
bis(2-Ethylhexyl)phthalate	2	109.5	109.5	4.95	106	113
p-Chloroaniline	2	106.5	106.5	2.12	105	108

N = Number of observations  
Std = Standard deviation  
Min = Minimum percent recovery  
Max = Maximum percent recovery

**Table 5-9**  
**Summary of Dioxin and Furan Blank Results**

<b>Sample Identification</b>	<b>Analyte</b>	<b>Concentration</b>	<b>Detection Limit</b>	<b>Result Units</b>
BLK944271	None Detected	--	--	ng/g
BLK944330	None Detected	--	--	ng/L
BLK944485	None Detected	--	--	ng/g
G94-01-HA-11-01-EB	None Detected	--	--	ng/L

**Table 5-10**  
**Summary of Dioxin and Furan Surrogate Spike Recoveries**

Sample	Surrogate	Percent Recovery (40-120%)	Accuracy Acceptable
BLK944271	C13-2,3,7,8-TCDD	78	yes
	C13-1,2,3,7,8-PeCDD	75	yes
	C13-1,2,3,4,7,8-HxCDD	75	yes
	C13-1,2,3,4,6,7,8-HpCDD	58	yes
	C13-OCDD	37	no
	C13-2,3,7,8-TCDF	79	yes
	C13-1,2,3,7,8-PeCDF	90	yes
	C13-1,2,3,4,7,8-HxCDF	78	yes
	C13-1,2,3,4,6,7,8-HpCDF	67	yes
	C13-OCDF	52	yes
BLK944330	C13-2,3,7,8-TCDD	100	yes
	C13-1,2,3,7,8-PeCDD	100	yes
	C13-1,2,3,4,7,8-HxCDD	103	yes
	C13-1,2,3,4,6,7,8-HpCDD	115	yes
	C13-OCDD	115	yes
	C13-2,3,7,8-TCDF	104	yes
	C13-1,2,3,7,8-PeCDF	105	yes
	C13-1,2,3,4,7,8-HxCDF	105	yes
	C13-1,2,3,4,6,7,8-HpCDF	103	yes
	C13-OCDF	111	yes
BLK944485	C13-2,3,7,8-TCDD	76	yes
	C13-1,2,3,7,8-PeCDD	69	yes
	C13-1,2,3,4,7,8-HxCDD	82	yes
	C13-1,2,3,4,6,7,8-HpCDD	70	yes
	C13-OCDD	60	yes
	C13-2,3,7,8-TCDF	81	yes
	C13-1,2,3,7,8-PeCDF	92	yes
	C13-1,2,3,4,7,8-HxCDF	81	yes
	C13-1,2,3,4,6,7,8-HpCDF	72	yes
	C13-OCDF	76	yes
G94-01-HA-11-01	C13-2,3,7,8-TCDD	101	yes
	C13-1,2,3,7,8-PeCDD	97	yes
	C13-1,2,3,4,7,8-HxCDD	94	yes
	C13-1,2,3,4,6,7,8-HpCDD	84	yes
	C13-OCDD	82	yes
	C13-2,3,7,8-TCDF	100	yes

(Continued)

Sample	Surrogate	Percent Recovery (40-120%)	Accuracy Acceptable
G94-01-HA-11-01 (continued)	C13-1,2,3,7,8-PeCDF	103	yes
	C13-1,2,3,4,7,8-HxCDF	96	yes
	C13-1,2,3,4,6,7,8-HpCDF	82	yes
	C13-OCDF	97	yes
G94-01-HA-11-01-EB	C13-2,3,7,8-TCDD	98	yes
	C13-1,2,3,7,8-PeCDD	94	yes
	C13-1,2,3,4,7,8-HxCDD	96	yes
	C13-1,2,3,4,6,7,8-HpCDD	109	yes
	C13-OCDD	112	yes
	C13-2,3,7,8-TCDF	101	yes
	C13-1,2,3,7,8-PeCDF	102	yes
	C13-1,2,3,4,7,8-HxCDF	97	yes
	C13-1,2,3,4,6,7,8-HpCDF	96	yes
	C13-OCDF	101	yes
G94-01-HA-11-02	C13-2,3,7,8-TCDD	95	yes
	C13-1,2,3,7,8-PeCDD	80	yes
	C13-1,2,3,4,7,8-HxCDD	88	yes
	C13-1,2,3,4,6,7,8-HpCDD	92	yes
	C13-OCDD	71	yes
	C13-2,3,7,8-TCDF	95	yes
	C13-1,2,3,7,8-PeCDF	98	yes
	C13-1,2,3,4,7,8-HxCDF	90	yes
	C13-1,2,3,4,6,7,8-HpCDF	80	yes
	C13-OCDF	86	yes
G94-01-HA-12-01	C13-2,3,7,8-TCDD	104	yes
	C13-1,2,3,7,8-PeCDD	95	yes
	C13-1,2,3,4,7,8-HxCDD	91	yes
	C13-1,2,3,4,6,7,8-HpCDD	87	yes
	C13-OCDD	71	yes
	C13-2,3,7,8-TCDF	106	yes
	C13-1,2,3,7,8-PeCDF	105	yes
	C13-1,2,3,4,7,8-HxCDF	101	yes
	C13-1,2,3,4,6,7,8-HpCDF	78	yes
	C13-OCDF	98	yes
G94-01-HA-12-02	C13-2,3,7,8-TCDD	105	yes
	C13-1,2,3,7,8-PeCDD	98	yes
	C13-1,2,3,4,7,8-HxCDD	98	yes
	C13-1,2,3,4,6,7,8-HpCDD	88	yes

(Continued)

Section 5—Quality Control Results for Galena Airport Soil Sample Analyses  
 Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample	Surrogate	Percent Recovery (40-120%)	Accuracy Acceptable
G94-01-HA-12-02 (continued)	C13-OCDD	72	yes
	C13-2,3,7,8-TCDF	104	yes
	C13-1,2,3,7,8-PeCDF	103	yes
	C13-1,2,3,4,7,8-HxCDF	100	yes
	C13-1,2,3,4,6,7,8-HpCDF	80	yes
	C13-OCDF	79	yes
G94-01-HA-13-01	C13-2,3,7,8-TCDD	89	yes
	C13-1,2,3,7,8-PeCDD	87	yes
	C13-1,2,3,4,7,8-HxCDD	89	yes
	C13-1,2,3,4,6,7,8-HpCDD	84	yes
	C13-OCDD	70	yes
	C13-2,3,7,8-TCDF	96	yes
	C13-1,2,3,7,8-PeCDF	98	yes
	C13-1,2,3,4,7,8-HxCDF	99	yes
	C13-1,2,3,4,6,7,8-HpCDF	80	yes
	C13-OCDF	82	yes
G94-01-HA-13-02	C13-2,3,7,8-TCDD	94	yes
	C13-1,2,3,7,8-PeCDD	88	yes
	C13-1,2,3,4,7,8-HxCDD	145	yes
	C13-1,2,3,4,6,7,8-HpCDD	87	yes
	C13-OCDD	70	yes
	C13-2,3,7,8-TCDF	97	yes
	C13-1,2,3,7,8-PeCDF	104	yes
	C13-1,2,3,4,7,8-HxCDF	96	yes
	C13-1,2,3,4,6,7,8-HpCDF	88	yes
	C13-OCDF	96	yes
LCS946617	C13-2,3,7,8-TCDD	78	yes
	C13-1,2,3,7,8-PeCDD	62	yes
	C13-1,2,3,4,7,8-HxCDD	57	yes
	C13-1,2,3,4,6,7,8-HpCDD	34	yes
	C13-OCDD	14	no
	C13-2,3,7,8-TCDF	75	yes
	C13-1,2,3,7,8-PeCDF	72	yes
	C13-1,2,3,4,7,8-HxCDF	63	yes
	C13-1,2,3,4,6,7,8-HpCDF	44	yes
	C13-OCDF	22	yes

(Continued)

Sample	Surrogate	Percent Recovery (40-120%)	Accuracy Acceptable
LCS946720 (aqueous)	C13-2,3,7,8-TCDD	107	yes
	C13-1,2,3,7,8-PeCDD	99	yes
	C13-1,2,3,4,7,8-HxCDD	99	yes
	C13-1,2,3,4,6,7,8-HpCDD	103	yes
	C13-OCDD	92	yes
	C13-2,3,7,8-TCDF	106	yes
	C13-1,2,3,7,8-PeCDF	106	yes
	C13-1,2,3,4,7,8-HxCDF	105	yes
	C13-1,2,3,4,6,7,8-HpCDF	99	yes
	C13-OCDF	104	yes
LCS947095	C13-2,3,7,8-TCDD	93	yes
	C13-1,2,3,7,8-PeCDD	81	yes
	C13-1,2,3,4,7,8-HxCDD	90	yes
	C13-1,2,3,4,6,7,8-HpCDD	84	yes
	C13-OCDD	64	yes
	C13-2,3,7,8-TCDF	97	yes
	C13-1,2,3,7,8-PeCDF	111	yes
	C13-1,2,3,4,7,8-HxCDF	91	yes
	C13-1,2,3,4,6,7,8-HpCDF	84	yes
	C13-OCDF	92	yes
LCSD946617	C13-2,3,7,8-TCDD	68	yes
	C13-1,2,3,7,8-PeCDD	63	yes
	C13-1,2,3,4,7,8-HxCDD	62	yes
	C13-1,2,3,4,6,7,8-HpCDD	48	yes
	C13-OCDD	25	no
	C13-2,3,7,8-TCDF	72	yes
	C13-1,2,3,7,8-PeCDF	74	yes
	C13-1,2,3,4,7,8-HxCDF	68	yes
	C13-1,2,3,4,6,7,8-HpCDF	52	yes
	C13-OCDF	41	yes
LCSD946720 (aqueous)	C13-2,3,7,8-TCDD	105	yes
	C13-1,2,3,7,8-PeCDD	99	yes
	C13-1,2,3,4,7,8-HxCDD	102	yes
	C13-1,2,3,4,6,7,8-HpCDD	104	yes
	C13-OCDD	96	yes
	C13-2,3,7,8-TCDF	108	yes
	C13-1,2,3,7,8-PeCDF	108	yes
	C13-1,2,3,4,7,8-HxCDF	107	yes
	C13-1,2,3,4,6,7,8-HpCDF	105	yes
	C13-OCDF	105	yes

(Continued)

Section 5—Quality Control Results for Galena Airport Soil Sample Analyses  
 Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample	Surrogate	Percent Recovery (40-120%)	Accuracy Acceptable
LCSD947095	C13-2,3,7,8-TCDD	82	yes
	C13-1,2,3,7,8-PeCDD	72	yes
	C13-1,2,3,4,7,8-HxCDD	84	yes
	C13-1,2,3,4,6,7,8-HpCDD	76	yes
	C13-OCDD	68	yes
	C13-2,3,7,8-TCDF	87	yes
	C13-1,2,3,7,8-PeCDF	90	yes
	C13-1,2,3,4,7,8-HxCDF	86	yes
	C13-1,2,3,4,6,7,8-HpCDF	83	yes
	C13-OCDF	81	yes

**Table 5-11**  
**Summary of Organochlorine Pesticides and PCB Blank Results**

Sample Identification	Analyte	Concentration	Detection Limit	Units
BLK944272 B	None Detected	--	--	µg/kg
BLK944272	None Detected	--	--	µg/kg
BLK944378	Endrin	0.382	0.773	µg/kg
BLK944377	Endrin	0.825	0.773	µg/kg
BLK944377	Endrin	0.149	0.773	µg/kg
BLK9441274	delta-BHC	ND	0.00218	µg/L
G94-DD-SS-03-EB	4,4'-DDD	0.014	0.00234	µg/L
	4,4'-DDT	0.0077	0.00914	µg/L
BLK944352	Dieldrin	0.001	0.00403	µg/L
G94-MB-SS-05-EB	delta-BHC	0.0085	0.00214	µg/L
	4,4'-DDT	0.0046	0.00731	µg/L
	Dieldrin	0.0016	0.00395	µg/L
	Aldrin	0.0019	0.00277	µg/L
G94-PO-SS-02-EB	Endosulfan I	0.0014	0.0146	µg/L



**Table 5-12**  
**Summary of Surrogate Spike Recoveries**

Sample	Dibutylchloroendate (20-150%)	2,4,5,6-Tetrachloro-m-xylene (20-150%)	Accuracy Acceptable
BLK944272	90	81	yes
BLK944272 B	91	83	yes
BLK944377	93	91	yes
BLK944377	93	90	yes
BLK944378	91	91	yes
G94-DD-SS-01-MSD <sup>a</sup>	72	83	yes
G94-DD-SS-01-MS <sup>a</sup>	114	88	yes
G94-DD-SS-01 <sup>a</sup>	135	84	yes
G94-DD-SS-02 <sup>a</sup>	52	86	yes
G94-DD-SS-03 <sup>a</sup>	73	81	yes
G94-DD-SS-04	72	93	yes
G94-DD-SS-05 <sup>a</sup>	75	89	yes
G94-MB-SS-01-MSD	147	96	yes
G94-MB-SS-01-MS	87	94	yes
G94-MB-SS-01-MSD	154	95	yes
G94-MB-SS-01-MS	113	90	yes
G94-MB-SS-01	106	93	yes
G94-MB-SS-02 <sup>a</sup>	86	92	yes
G94-MB-SS-03 <sup>a</sup>	837	31	yes
G94-MB-SS-04 <sup>a</sup>	74	94	yes
G94-MB-SS-05 <sup>a</sup>	48	92	yes
G94-MB-SS-06 <sup>a</sup>	NC	38	yes
G94-MB-SS-07 <sup>a</sup>	133	98	yes
G94-MB-SS-08 <sup>a</sup>	85	102	yes
G94-MB-SS-09 <sup>a</sup>	67	92	yes
G94-MB-SS-10 <sup>a</sup>	NC	NC	no
G94-MB-SS-11 <sup>a</sup>	79	104	yes
G94-MB-SS-12 <sup>a</sup>	68	98	yes
G94-MB-SS-13	107	101	yes
G94-MB-SS-14 <sup>a</sup>	930	105	yes
G94-MB-SS-15 <sup>a</sup>	140	90	yes
G94-MB-SS-16 <sup>a</sup>	22	48	yes
G94-MB-SS-17 <sup>a</sup>	44	65	yes
G94-MB-SS-18 <sup>a</sup>	54	80	yes
G94-MB-SS-19 <sup>a</sup>	NC	39	yes
G94-MB-SS-20 <sup>a</sup>	NC	34	yes
G94-MB-SS-21 <sup>a</sup>	43	91	yes
G94-MB-SS-21-MSD <sup>a</sup>	39	78	yes

(Continued)

## Section 5—Quality Control Results for Galena Airport Soil Sample Analyses

## QA/QC Summary Report

Kalakaket Creek RRS and Galena Airport

Sample	Dibutylchloroendate (20-150%)	2,4,5,6-Tetrachloro-m-xylene (20-150%)	Accuracy Acceptable
G94-MB-SS-21-MS <sup>a</sup>	53	93	yes
G94-MB-SS-22	70	99	yes
G94-MB-SS-23	87	104	yes
G94-PO-SS-01-MS	103	94	yes
G94-PO-SS-01-MS	103	97	yes
G94-PO-SS-01	102	92	yes
G94-PO-SS-02	102	93	yes
LCS946618	86	81	yes
LCS946618	86	80	yes
LCS946619	84	81	yes
LCS946619	86	81	yes
LCS946785	95	96	yes
LCS946785	96	96	yes
LCS946786	87	86	yes
LCS946786	89	87	yes
LCS946787	96	96	yes
LCS946788	92	88	yes
LCSD946618	91	86	yes
LCSD946618	90	84	yes
LCSD946619	86	76	yes
LCSD946619	88	76	yes
LCSD946785	92	90	yes
LCSD946785	94	91	yes
LCSD946786	90	89	yes
LCSD946786	91	89	yes
LCSD946787	90	89	yes
LCSD946788	90	88	yes
BLK944274	105	89	yes
BLK944352	92	82	yes
G94-DD-SS-03-EB	103	90	yes
G94-MB-SS-05-EB	102	96	yes
G94-PO-SS-02-EB	106	88	yes
LCS946621/620	95	75	yes
LCS946743	103	85	yes
LCS946744	85	75	yes
LCSD946621/620	90	73	yes
LCSD946743	97	79	yes
LCSD946744	81	68	yes

<sup>a</sup> Sample contain high levels of target analytes.

NC = Not Calculated

**Table 5-13**  
**Summary of Matrix Spike and Matrix Spike Duplicate Results**

Sample	Analyte	Accuracy Objective (% Rec)	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD <sup>a</sup> )	RPD	Precision Acceptability
G94-DD-SS-01	Aldrin	42-122	84	83	yes	55	1.2	yes
	gamma-BHC	32-127	131	131	no	63	0	yes
	4,4'-DDT	25-160	265	267	no	85	0.8	yes
	Dieldrin	36-146	320	221	no	44	37	yes
	Endrin	30-147	119	118	yes	67	0.8	yes
	Heptachlor	34-120	53	56	yes	43	5.5	yes
	Aldrin	42-122	113	94	yes	55	18	yes
G94-MB-SS-01	gamma-BHC	32-127	100	101	yes	63	1	yes
	4,4'-DDT	25-160	63	73	yes	85	15	yes
	Dieldrin	36-146	73	72	yes	44	1.4	yes
	Endrin	30-147	78	77	yes	67	1.3	yes
	Heptachlor	34-120	66	67	yes	43	1.5	yes
	Aldrin	42-122	84	68	yes	55	21	yes
	gamma-BHC	32-127	83	88	yes	63	5.8	yes
G94-MB-SS-01	4,4'-DDT	25-160	64	73	yes	85	13	yes
	Dieldrin	36-146	70	73	yes	44	4.2	yes
	Endrin	30-147	74	76	yes	67	2.7	yes
	Heptachlor	34-120	71	76	yes	43	6.8	yes
	Aldrin	42-122	78	70	yes	55	11	yes
	gamma-BHC	32-127	132	122	yes	63	7.9	yes
	4,4'-DDT	25-160	-56	-159	no	85	96	no
G94-MB-SS-21	Dieldrin	36-146	62	67	yes	44	7.8	yes
	Endrin	30-147	89	78	yes	67	13	yes
	Heptachlor	34-120	53	41	yes	43	26	yes
	Aldrin	42-122	78	70	yes	55	11	yes
	gamma-BHC	32-127	132	122	yes	63	7.9	yes
	4,4'-DDT	25-160	-56	-159	no	85	96	no
	Dieldrin	36-146	62	67	yes	44	7.8	yes

(Continued)

Sample	Analyte	Accuracy Objective (% Rec) <sup>a</sup>	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD) <sup>b</sup>	RPD	Precision Acceptability
G94-PO-SS-01	Aldrin	42-122	99	97	yes	55	2	yes
	gamma-BHC	32-127	98	97	yes	63	1	yes
	4,4'-DDT	25-160	196	165	no	85	17	yes
	Dieldrin	36-146	92	92	yes	44	0	yes
	Endrin	30-147	99	98	yes	67	1	yes
	Heptachlor	34-120	97	96	yes	43	1	yes

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 5-14**  
**Summary of Solid Laboratory Control Sample Recoveries**

Analyte	N	Mean	Median	Std	Min	Max
4,4'-DDT	10	87.1	89.5	5.09	81	95
Aldrin	10	88.6	90.0	4.09	81	93
Dieldrin	10	88.5	90.5	3.95	81	92
Endosulfan II	10	88.2	90.5	6.34	77	94
Endrin	10	76.9	77.0	9.67	62	90
Endrin aldehyde	9	8.1	5.7	9.54	0.2	25
Heptachlor	10	90.6	93.5	6.55	79	97
Heptachlor epoxide	10	96.8	97.5	3.08	92	101
Mirex	10	90.9	90.5	2.42	87	95
PCB-1016	10	95.1	90.0	16.4	82	129
PCB-1260	10	85.4	85.5	1.35	83	88
alpha-BHC	10	85.8	87.0	3.22	79	88
alpha-Chlordane	10	92.7	95.0	6.15	82	98

N = Number of observations  
Std = Standard deviation  
Min = Minimum percent recovery  
Max = Maximum percent recovery

**Table 5-15**  
**Summary of Method and Equipment Blank Results**

Sample Identification	Analyte	Concentration	Detection Limit	Result Units
BLK944299	Aluminum	2.3	2.76	mg/kg
	Antimony	1.12	5.86	mg/kg
	Arsenic	-1.61	3.47	mg/kg
	Barium	-0.042	0.0697	mg/kg
	Beryllium	0.108	0.0329	mg/kg
	Cadmium	0.142	0.372	mg/kg
	Calcium	3.22	1.37	mg/kg
	Chromium	0.617	0.197	mg/kg
	Cobalt	0	0.538	mg/kg
	Copper	0.294	0.502	mg/kg
	Iron	1.54	0.509	mg/kg
	Lead	-1.26	2.12	mg/kg
	Magnesium	-0.222	9.63	mg/kg
	Manganese	0.14	0.492	mg/kg
	Molybdenum	0.523	0.384	mg/kg
	Nickel	0.518	1.14	mg/kg
	Potassium	5.63	44.1	mg/kg
	Selenium	3.26	5.84	mg/kg
	Silver	-0.403	0.443	mg/kg
	Sodium	4.22	3.05	mg/kg
	Thallium	-1.3	6.15	mg/kg
	Vanadium	0.037	0.292	mg/kg
	Zinc	0.274	0.347	mg/kg
BLK944282	Aluminum	2.44	2.76	mg/kg
	Antimony	-0.556	5.86	mg/kg
	Arsenic	0.071	3.47	mg/kg
	Barium	0.042	0.0697	mg/kg
	Beryllium	0.107	0.0329	mg/kg
	Cadmium	-0.244	0.372	mg/kg
	Calcium	3.89	1.37	mg/kg
	Chromium	0.166	0.197	mg/kg
	Cobalt	-0.183	0.538	mg/kg
	Copper	0.353	0.502	mg/kg
	Iron	2.12	0.509	mg/kg
	Lead	-3.58	2.12	mg/kg
	Magnesium	-0.723	9.63	mg/kg

(Continued)

Section 5—Quality Control Results for Galena Airport Soil Sample Analyses  
 Kalakaket Creek RRS and Galena Airport QA/QC Summary Report

Sample Identification	Analyte	Concentration	Detection Limit	Result Units
BLK944282 (continued)	Manganese	0.001	0.492	mg/kg
	Molybdenum	0.282	0.384	mg/kg
	Nickel	0.518	1.14	mg/kg
	Potassium	1.88	44.1	mg/kg
	Selenium	0.31	5.84	mg/kg
	Silver	-0.605	0.443	mg/kg
	Sodium	8.44	3.05	mg/kg
	Thallium	-1.3	6.15	mg/kg
	Vanadium	0.142	0.292	mg/kg
	Zinc	0.528	0.347	mg/kg
BLK944429	Aluminum	-0.00799	0.0523	mg/L
	Antimony	-0.0179	0.076	mg/L
	Arsenic	-0.0104	0.0468	mg/L
	Barium	-0.00044	0.00086	mg/L
	Beryllium	0.00005	0.00051	mg/L
	Cadmium	0.0009	0.00386	mg/L
	Calcium	0.0276	0.0175	mg/L
	Chromium	-0.00464	0.00524	mg/L
	Cobalt	-0.00698	0.00407	mg/L
	Copper	-0.00064	0.00916	mg/L
	Iron	0.00158	0.00452	mg/L
	Lead	-0.011	0.0216	mg/L
	Magnesium	-0.0142	0.0479	mg/L
	Manganese	-0.00211	0.00155	mg/L
	Molybdenum	-0.00502	0.00739	mg/L
	Nickel	0.00481	0.0141	mg/L
	Potassium	-0.679	0.822	mg/L
	Selenium	0.0079	0.0891	mg/L
	Silver	0.0015	0.00519	mg/L
	Sodium	0.0355	0.0401	mg/L
	Thallium	-0.0369	0.0833	mg/L
	Vanadium	-0.00811	0.00454	mg/L
	Zinc	0.00525	0.00402	mg/L
G94-PO-SS-02-EB	Aluminum	-0.0147	0.0523	mg/L
	Antimony	0.0246	0.076	mg/L
	Arsenic	-0.0132	0.0468	mg/L
	Barium	0.00268	0.00086	mg/L
	Beryllium	0.00005	0.00051	mg/L
	Cadmium	0.00022	0.00386	mg/L

(Continued)



Sample Identification	Analyte	Concentration	Detection Limit	Result Units
G94-PO-SS-02-EB (continued)	Calcium	0.0907	0.0175	mg/L
	Chromium	-0.00199	0.00524	mg/L
	Cobalt	0.00279	0.00407	mg/L
	Copper	0.00259	0.00916	mg/L
	Iron	0.00896	0.00452	mg/L
	Lead	-0.00911	0.0216	mg/L
	Magnesium	0.00609	0.0479	mg/L
	Manganese	0.00212	0.00155	mg/L
	Molybdenum	-0.00374	0.00739	mg/L
	Nickel	0.0128	0.0141	mg/L
	Potassium	0.29	0.822	mg/L
	Selenium	-0.0211	0.0891	mg/L
	Silver	-0.0008	0.00519	mg/L
	Sodium	0.0344	0.0401	mg/L
	Thallium	-0.0162	0.0833	mg/L
	Vanadium	-0.00791	0.00454	mg/L
	Zinc	0.00163	0.00402	mg/L



**Table 5-16**  
**Summary of Metals Results for Method Blanks, Equipment Blanks and Samples**

Analyte	Method Blanks $\mu\text{g/Kg}$ (2)			Equipment Blank $\text{mg/L}$ (1)	Samples $\mu\text{g/Kg}$ (2)		
	Mean	Min	Max	Result	Mean	Min	Max
Aluminum	2.4	2.3	2.44	-0.0147	10055	9910	10200
Antimony	0.3	-0.556	1.12	0.0246	-1.6	-4.4	1.22
Arsenic	-0.8	-1.61	0.071	-0.0132	2.3	-1.47	6
Barium	0.0	-0.042	0.042	0.00268	146.5	146	147
Beryllium	0.1	0.107	0.108	0.00005	0.3	0.31	0.322
Cadmium	-0.1	-0.244	0.142	0.00022	0.3	-0.00278	0.507
Calcium	3.6	3.22	3.89	0.0907	14850	14500	15200
Chromium	0.4	0.166	0.617	-0.00199	20.1	19.8	20.3
Cobalt	-0.1	-0.183	0	0.00279	9.1	9.04	9.17
Copper	0.3	0.294	0.353	0.00259	17.2	17.1	17.3
Iron	1.8	1.54	2.12	0.00896	18700	18500	18900
Lead	-2.4	-3.58	-1.26	-0.00911	4.0	3.74	4.2
Magnesium	-0.5	-0.723	-0.222	0.00609	6970	6900	7040
Manganese	0.1	0.001	0.14	0.00212	329.5	317	342
Molybdenum	0.4	0.282	0.523	-0.00374	0.2	-0.117	0.559
Nickel	0.5	0.518	0.518	0.0128	24.2	24.1	24.3
Potassium	3.8	1.88	5.63	0.29	1050	1040	1060
Selenium	1.8	0.31	3.26	-0.0211	-8.7	-8.95	-8.5
Silver	-0.5	-0.605	-0.403	-0.0008	-0.5	-0.599	-0.311
Sodium	6.3	4.22	8.44	0.0344	371.0	366	376
Thallium	-1.3	-1.3	-1.3	-0.0162	-5.8	-7.61	-4.03
Vanadium	0.1	0.037	0.142	-0.00791	36.4	36.2	36.6
Zinc	0.4	0.274	0.528	0.00163	53.2	53.1	53.2

() = Number of observations

Min = Minimum analytical measurement result

Max = Maximum analytical measurement result

**Table 5-17**  
**Summary of Matrix Spike and Matrix Spike Duplicate Results**

Sample	Analyte	Accuracy Objective (% Rec <sup>a</sup> )	MS (% Rec)	MSD (% Rec)	Accuracy Acceptability	Precision Objective (RPD <sup>b</sup> )	RPD	Precision Acceptability
G94-PO-SS-01	Aluminum	75-125	112	110	yes	35	1.8	yes
	Antimony	75-125	48	56	no	35	15	yes
	Arsenic	75-125	82	84	yes	35	2.4	yes
	Barium	75-125	109	105	yes	35	3.7	yes
	Beryllium	75-125	90	91	yes	35	1.1	yes
	Cadmium	75-125	79	79	yes	35	0	yes
	Calcium	75-125	91	95	yes	35	4.3	yes
	Chromium	75-125	81	82	yes	35	1.2	yes
	Cobalt	75-125	81	81	yes	35	0	yes
	Copper	75-125	86	87	yes	35	1.2	yes
	Iron	75-125	61	73	no	35	18	yes
	Lead	75-125	77	73	yes	35	5.3	yes
	Magnesium	75-125	79	83	yes	35	4.9	yes
	Manganese	75-125	77	86	yes	35	11	yes
	Molybdenum	75-125	86	88	yes	35	2.3	yes
	Nickel	75-125	78	77	yes	35	1.3	yes
	Potassium	75-125	94	92	yes	35	2.2	yes
	Selenium	75-125	80	87	yes	35	8.4	yes
	Silver	75-125	82	82	yes	35	0	yes
	Sodium	75-125	93	92	yes	35	1.1	yes
	Thallium	75-125	82	72	yes	35	13	yes
	Vanadium	75-125	87	86	yes	35	1.2	yes
	Zinc	75-125	78	80	yes	35	2.5	yes

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

**Table 5-18**  
**Summary of Solid Laboratory Control Sample Recoveries**

Analyte	N *	Mean	Median	Std	Min	Max
Aluminum	4	95.0	95.5	6.48	88	101
Antimony	4	111.3	110.0	30.8	80	145
Arsenic	4	90.0	92.0	5.66	82	94
Barium	4	98.0	98.0	0.82	97	99
Beryllium	4	98.8	99.0	0.50	98	99
Cadmium	4	95.5	96.0	1.00	94	96
Calcium	4	100.3	100.0	0.50	100	101
Chromium	4	93.3	93.0	1.50	92	95
Cobalt	4	97.5	97.5	0.58	97	98
Copper	4	95.5	95.5	0.58	95	96
Iron	4	105.5	106.0	3.70	101	109
Lead	4	88.5	88.5	2.08	86	91
Magnesium	4	103.0	103.0	1.15	102	104
Manganese	4	98.5	98.5	0.58	98	99
Molybdenum	4	101.3	101.0	1.50	100	103
Nickel	4	99.0	99.0	0.82	98	100
Potassium	4	98.8	98.5	2.75	96	102
Selenium	4	90.3	90.5	0.96	89	91
Silver	4	89.0	89.0	1.15	88	90
Sodium	4	99.5	99.0	1.91	98	102
Thallium	4	97.5	97.5	2.89	94	101
Vanadium	4	97.8	98.0	0.50	97	98
Zinc	4	95.3	95.0	0.50	95	96

\*LCS/LCSDs for 946637/664 and 946909.

N = Number of observations

Std = Standard deviation

Min = Minimum percent recovery

Max = Maximum percent recovery

**Table 5-19**  
**Summary of AK101 Blank Results**

Sample Identification	Analyte	Concentration	Reporting Limit	Result Units
METHOD BLANK	Gasoline Range Organics	0	5	mg/kg
G94-PO-SS-02-EB		11	50	µg/L
G94-TB-09		0	50	µg/L
G94-DD-SS-03-EB		1	50	µg/L

**Table 5-20**  
**Summary of Gasoline Range Organics Surrogate Spike Recoveries**

Sample	Trifluorotoluene (60-120%)	Accuracy Acceptable
METHOD BLANK 58743C01	96	yes
G94-DD-SS-01	81	yes
G94-DD-SS-02	96	yes
G94-DD-SS-03	87	yes
G94-DD-SS-03-EB	97	yes
G94-DD-SS-04	85	yes
G94-DD-SS-05	91	yes
G94-PO-SS-01	88	yes
G94-PO-SS-02	90	yes
G94-PO-SS-02-EB	98	yes
G94-TB-09	96	yes

Table 5-21  
Summary of Matrix Spike and Laboratory Control Sample Results for Gasoline Range Organics

Analytical Batch	Sample	Accuracy Objective (% Rec <sup>a</sup> )	(% Rec)	Accuracy Acceptability	Precision Objective (RPD <sup>b</sup> )	RPD	Precision Acceptability
58743	LCS	75-125	90	yes	20	5	yes
	LCSD	75-125	95	yes			
	G94-PO-SS-01 MS	60-120	89	yes	20	2	yes
	G94-PO-SS-01 MSD	60-120	87	yes			
	G94-DD-SS-01 MS	60-120	NR <sup>a</sup>	no	20	NC	no
	G94-DD-SS-01 MSD	60-120	NR <sup>a</sup>	no			

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

<sup>c</sup> Not Recovered. There was no matrix spike recovery. The sample concentration was 72 mg/Kg and the spike concentration was 6.0 mg/Kg.

LCS = Laboratory Control Sample  
 LCSD = Laboratory Control Sample Duplicate  
 MS = Matrix Spike  
 MSD = Matrix Spike Duplicate  
 NC = Not Calculated

**Table 5-22**  
**Summary of AK102 Blank Results**

Sample Identification	Analyte	Concentration	Reporting Limit	Result Units
METHOD BLANK	Diesel Range Organics	0	4	mg/kg
G94-PO-SS-02-EB		0	100	µg/L
G94-DD-SS-03-EB		0	100	µg/L

**Table 5-23**  
**Summary of Surrogate Spike Recoveries for**  
**Diesel Range Organics (DRO)**

Sample	Tetracosane (60-120%)	Acceptable Accuracy
METHOD BLANK 58743D01	91	yes
G94-DD-SS-01	138	no
G94-DD-SS-01-MS	157	no
G94-DD-SS-01-MSD	169	no
G94-DD-SS-02	390 <sup>a</sup>	no
G94-DD-SS-03	252 <sup>a</sup>	no
G94-DD-SS-03-EB	80	yes
G94-DD-SS-04	128	no
G94-DD-SS-05	210 <sup>a</sup>	no
G94-PO-SS-01	120	yes
G94-PO-SS-01-MS	138	no
G94-PO-SS-01-MSD	115	yes
G94-PO-SS-02	103	yes
LCS 58743D01	110	yes
LCSD 58743D01	116	yes
G94-PO-SS-02-EB	76	yes

<sup>a</sup> Matrix interference.



**Table 5-24**  
**Summary of Matrix Spike and Laboratory Control Sample Results for Diesel Range Organics**

Analytical Batch	Sample	Accuracy Objective (% Rec) <sup>a</sup>	(% Rec)	Accuracy Acceptability	Precision Objective (RPD) <sup>b</sup>	RPD	Precision Acceptability
58743	LCS	75-125	117	yes	20	5	yes
	LCSD	75-125	99	yes			
	G94-PO-SS-01 MS	60-120	126	no	20	20	yes
	G94-PO-SS-01 MSD	60-120	103	yes			
	G94-DD-SS-01 MS	60-120	121	no	20	2	yes
	G94-DD-SS-01 MSD	60-120	124	no			

<sup>a</sup> Percent Recovery (% Rec) = (Spiked Sample Concentration) - (Nonspiked Sample Concentration) ÷ (Spike Concentration) X 100.

<sup>b</sup> Relative Percent Difference (RPD) = |Difference| ÷ Mean X 100.

LCS = Laboratory Control Sample  
LCSD = Laboratory Control Sample Duplicate  
MS = Matrix Spike  
MSD = Matrix Spike Duplicate

**ATTACHMENT A - APPENDIX B**

**Table A-1**

**Detailed Listing of Blank Results - 1992 Soil Samples**

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Aluminum					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	20	mg/kg	100
10 August 1992	JA610810-15	ND	20	mg/kg	100
28 August 1992	JA610828-29	ND	20	mg/kg	100
29 August 1992	JA610829-16	ND	20	mg/kg	100
31 August 1992	JA610831-16	ND	20	mg/kg	100
12 September 1992	JA610912-59	ND	20	mg/kg	100
24 September 1992	JA610924-46	ND	20	mg/kg	100
27 September 1992	JA610927-16	ND	20	mg/kg	100
29 September 1992	JA610929-11	ND	20	mg/kg	100
29 September 1992	JA610929-1	ND	20	mg/kg	100
29 September 1992	JA610929-23	ND	20	mg/kg	100
29 September 1992	JA610929-16	ND	20	mg/kg	100
1 October 1992	JA611001-42	ND	20	mg/kg	100
1 October 1992	JA611001-16	ND	20	mg/kg	100
2 October 1992	JA611002-25	ND	20	mg/kg	100
5 October 1992	JA611005-16	ND	20	mg/kg	100
12 October 1992	JA611012-20	ND	20	mg/kg	100

Total Number of Blanks = 17

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 20

Method : SW6010					
Analyte : Antimony					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	10	mg/kg	100
10 August 1992	JA610810-15	ND	10	mg/kg	100
28 August 1992	JA610828-29	ND	10	mg/kg	100
29 August 1992	JA610829-16	ND	10	mg/kg	100
31 August 1992	JA610831-16	ND	10	mg/kg	100
12 September 1992	JA610912-59	ND	10	mg/kg	100
24 September 1992	JA610924-46	ND	10	mg/kg	100
27 September 1992	JA610927-16	ND	10	mg/kg	100
29 September 1992	JA610929-23	ND	10	mg/kg	100
29 September 1992	JA610929-1	ND	10	mg/kg	100
29 September 1992	JA610929-11	ND	10	mg/kg	100
29 September 1992	JA610929-16	ND	10	mg/kg	100
1 October 1992	JA611001-16	ND	10	mg/kg	100
1 October 1992	JA611001-42	ND	10	mg/kg	100
2 October 1992	JA611002-25	ND	10	mg/kg	100
5 October 1992	JA611005-16	ND	10	mg/kg	100
12 October 1992	JA611012-20	ND	10	mg/kg	100

Total Number of Blanks = 17

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW6010					
Analyte : Arsenic					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	30	mg/kg	100
10 August 1992	JA610810-15	ND	30	mg/kg	100
28 August 1992	JA610828-29	ND	30	mg/kg	100
29 August 1992	JA610829-16	ND	30	mg/kg	100
31 August 1992	JA610831-16	ND	30	mg/kg	100
12 September 1992	JA610912-59	ND	30	mg/kg	100
24 September 1992	JA610924-46	ND	30	mg/kg	100
27 September 1992	JA610927-16	ND	30	mg/kg	100
29 September 1992	JA610929-23	ND	30	mg/kg	100
29 September 1992	JA610929-11	ND	30	mg/kg	100
29 September 1992	JA610929-1	ND	30	mg/kg	100
29 September 1992	JA610929-16	ND	30	mg/kg	100
1 October 1992	JA611001-16	ND	30	mg/kg	100
1 October 1992	JA611001-42	ND	30	mg/kg	100
2 October 1992	JA611002-25	ND	30	mg/kg	100
5 October 1992	JA611005-16	ND	30	mg/kg	100
12 October 1992	JA611012-20	ND	30	mg/kg	100

Total Number of Blanks = 17

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 30

Method : SW6010					
Analyte : Barium					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	1	mg/kg	100
10 August 1992	JA610810-15	ND	1	mg/kg	100
28 August 1992	JA610828-29	ND	1	mg/kg	100
29 August 1992	JA610829-16	ND	1	mg/kg	100
31 August 1992	JA610831-16	ND	1	mg/kg	100
12 September 1992	JA610912-59	ND	1	mg/kg	100
24 September 1992	JA610924-46	ND	1	mg/kg	100
27 September 1992	JA610927-16	ND	1	mg/kg	100
29 September 1992	JA610929-16	ND	1	mg/kg	100
29 September 1992	JA610929-23	ND	1	mg/kg	100
29 September 1992	JA610929-11	ND	1	mg/kg	100
29 September 1992	JA610929-1	ND	1	mg/kg	100
1 October 1992	JA611001-42	ND	1	mg/kg	100
1 October 1992	JA611001-16	ND	1	mg/kg	100
2 October 1992	JA611002-25	ND	1	mg/kg	100
5 October 1992	JA611005-16	ND	1	mg/kg	100
12 October 1992	JA611012-20	ND	1	mg/kg	100

Total Number of Blanks = 17

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Beryllium					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	0.2	mg/kg	100
10 August 1992	JA610810-15	ND	0.2	mg/kg	100
28 August 1992	JA610828-29	ND	0.2	mg/kg	100
29 August 1992	JA610829-16	ND	0.2	mg/kg	100
31 August 1992	JA610831-16	ND	0.2	mg/kg	100
12 September 1992	JA610912-59	ND	0.2	mg/kg	100
24 September 1992	JA610924-46	ND	0.2	mg/kg	100
27 September 1992	JA610927-16	ND	0.2	mg/kg	100
29 September 1992	JA610929-11	ND	0.2	mg/kg	100
29 September 1992	JA610929-16	ND	0.2	mg/kg	100
29 September 1992	JA610929-1	ND	0.2	mg/kg	100
29 September 1992	JA610929-23	ND	0.2	mg/kg	100
1 October 1992	JA611001-42	ND	0.2	mg/kg	100
1 October 1992	JA611001-16	ND	0.2	mg/kg	100
2 October 1992	JA611002-25	ND	0.2	mg/kg	100
5 October 1992	JA611005-16	ND	0.2	mg/kg	100
12 October 1992	JA611012-20	ND	0.2	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.2

Method : SW6010					
Analyte : Cadmium					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	0.5	mg/kg	100
10 August 1992	JA610810-15	ND	0.5	mg/kg	100
28 August 1992	JA610828-29	ND	0.5	mg/kg	100
29 August 1992	JA610829-16	ND	0.5	mg/kg	100
31 August 1992	JA610831-16	ND	0.5	mg/kg	100
12 September 1992	JA610912-59	ND	0.5	mg/kg	100
24 September 1992	JA610924-46	ND	0.5	mg/kg	100
27 September 1992	JA610927-16	ND	0.5	mg/kg	100
29 September 1992	JA610929-23	ND	0.5	mg/kg	100
29 September 1992	JA610929-16	ND	0.5	mg/kg	100
29 September 1992	JA610929-1	ND	0.5	mg/kg	100
29 September 1992	JA610929-11	ND	0.5	mg/kg	100
1 October 1992	JA611001-42	ND	0.5	mg/kg	100
1 October 1992	JA611001-16	ND	0.5	mg/kg	100
2 October 1992	JA611002-25	ND	0.5	mg/kg	100
5 October 1992	JA611005-16	ND	0.5	mg/kg	100
12 October 1992	JA611012-20	ND	0.5	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.5

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW6010					
Analyte : Calcium					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	100	mg/kg	100
10 August 1992	JA610810-15	ND	100	mg/kg	100
28 August 1992	JA610828-29	ND	100	mg/kg	100
29 August 1992	JA610829-16	ND	100	mg/kg	100
31 August 1992	JA610831-16	ND	100	mg/kg	100
12 September 1992	JA610912-59	ND	100	mg/kg	100
24 September 1992	JA610924-46	ND	100	mg/kg	100
27 September 1992	JA610927-16	ND	100	mg/kg	100
29 September 1992	JA610929-11	ND	100	mg/kg	100
29 September 1992	JA610929-16	ND	100	mg/kg	100
29 September 1992	JA610929-1	ND	100	mg/kg	100
29 September 1992	JA610929-23	ND	100	mg/kg	100
1 October 1992	JA611001-42	ND	100	mg/kg	100
1 October 1992	JA611001-16	ND	100	mg/kg	100
2 October 1992	JA611002-25	ND	100	mg/kg	100
5 October 1992	JA611005-16	ND	100	mg/kg	100
12 October 1992	JA611012-20	ND	100	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 100

Method : SW6010					
Analyte : Chromium					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	1	mg/kg	100
10 August 1992	JA610810-15	ND	1	mg/kg	100
28 August 1992	JA610828-29	ND	1	mg/kg	100
29 August 1992	JA610829-16	ND	1	mg/kg	100
31 August 1992	JA610831-16	ND	1	mg/kg	100
12 September 1992	JA610912-59	ND	1	mg/kg	100
24 September 1992	JA610924-46	ND	1	mg/kg	100
27 September 1992	JA610927-16	ND	1	mg/kg	100
29 September 1992	JA610929-1	ND	1	mg/kg	100
29 September 1992	JA610929-11	ND	1	mg/kg	100
29 September 1992	JA610929-16	ND	1	mg/kg	100
29 September 1992	JA610929-23	ND	1	mg/kg	100
1 October 1992	JA611001-42	ND	1	mg/kg	100
1 October 1992	JA611001-16	ND	1	mg/kg	100
2 October 1992	JA611002-25	ND	1	mg/kg	100
5 October 1992	JA611005-16	ND	1	mg/kg	100
12 October 1992	JA611012-20	ND	1	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Cobalt					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	1	mg/kg	100
10 August 1992	JA610810-15	ND	1	mg/kg	100
28 August 1992	JA610828-29	ND	1	mg/kg	100
29 August 1992	JA610829-16	ND	1	mg/kg	100
31 August 1992	JA610831-16	ND	1	mg/kg	100
12 September 1992	JA610912-59	ND	1	mg/kg	100
24 September 1992	JA610924-46	ND	1	mg/kg	100
27 September 1992	JA610927-16	ND	1	mg/kg	100
29 September 1992	JA610929-16	ND	1	mg/kg	100
29 September 1992	JA610929-1	ND	1	mg/kg	100
29 September 1992	JA610929-23	ND	1	mg/kg	100
29 September 1992	JA610929-11	ND	1	mg/kg	100
1 October 1992	JA611001-42	ND	1	mg/kg	100
1 October 1992	JA611001-16	ND	1	mg/kg	100
2 October 1992	JA611002-25	ND	1	mg/kg	100
5 October 1992	JA611005-16	ND	1	mg/kg	100
12 October 1992	JA611012-20	ND	1	mg/kg	100

Total Number of Blanks = 17

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1

Method : SW6010					
Analyte : Copper					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	2	mg/kg	100
10 August 1992	JA610810-15	ND	2	mg/kg	100
28 August 1992	JA610828-29	ND	2	mg/kg	100
29 August 1992	JA610829-16	ND	2	mg/kg	100
31 August 1992	JA610831-16	ND	2	mg/kg	100
12 September 1992	JA610912-59	ND	2	mg/kg	100
24 September 1992	JA610924-46	ND	2	mg/kg	100
27 September 1992	JA610927-16	ND	2	mg/kg	100
29 September 1992	JA610929-1	ND	2	mg/kg	100
29 September 1992	JA610929-11	3.5	2	mg/kg	100
29 September 1992	JA610929-16	ND	2	mg/kg	100
29 September 1992	JA610929-23	ND	2	mg/kg	100
1 October 1992	JA611001-16	ND	2	mg/kg	100
1 October 1992	JA611001-42	ND	2	mg/kg	100
2 October 1992	JA611002-25	ND	2	mg/kg	100
5 October 1992	JA611005-16	ND	2	mg/kg	100
12 October 1992	JA611012-20	ND	2	mg/kg	100

Total Number of Blanks = 17

Concentration Range 3.5 - 3.5

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 2

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW6010					
Analyte : Iron					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	5	mg/kg	100
10 August 1992	JA610810-15	ND	5	mg/kg	100
28 August 1992	JA610828-29	ND	5	mg/kg	100
29 August 1992	JA610829-16	ND	5	mg/kg	100
31 August 1992	JA610831-16	ND	5	mg/kg	100
12 September 1992	JA610912-59	ND	5	mg/kg	100
24 September 1992	JA610924-46	ND	5	mg/kg	100
27 September 1992	JA610927-16	ND	5	mg/kg	100
29 September 1992	JA610929-23	ND	5	mg/kg	100
29 September 1992	JA610929-1	ND	5	mg/kg	100
29 September 1992	JA610929-16	ND	5	mg/kg	100
29 September 1992	JA610929-11	ND	5	mg/kg	100
1 October 1992	JA611001-16	ND	5	mg/kg	100
1 October 1992	JA611001-42	ND	5	mg/kg	100
2 October 1992	JA611002-25	ND	5	mg/kg	100
5 October 1992	JA611005-16	ND	5	mg/kg	100
12 October 1992	JA611012-20	ND	5	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 5

Method : SW6010					
Analyte : Lead					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	5	mg/kg	100
10 August 1992	JA610810-15	ND	5	mg/kg	100
28 August 1992	JA610828-29	ND	5	mg/kg	100
29 August 1992	JA610829-16	ND	5	mg/kg	100
31 August 1992	JA610831-16	ND	5	mg/kg	100
12 September 1992	JA610912-59	ND	5	mg/kg	100
24 September 1992	JA610924-46	ND	5	mg/kg	100
27 September 1992	JA610927-16	ND	5	mg/kg	100
29 September 1992	JA610929-23	ND	5	mg/kg	100
29 September 1992	JA610929-11	ND	5	mg/kg	100
29 September 1992	JA610929-16	ND	5	mg/kg	100
29 September 1992	JA610929-1	ND	5	mg/kg	100
1 October 1992	JA611001-42	ND	5	mg/kg	100
1 October 1992	JA611001-16	ND	5	mg/kg	100
2 October 1992	JA611002-25	6.5	5	mg/kg	100
5 October 1992	JA611005-16	ND	5	mg/kg	100
12 October 1992	JA611012-20	ND	5	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 1

Concentration Range 6.5 - 6.5

Maximum Reporting Limit = 5



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Magnesium					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	100	mg/kg	100
10 August 1992	JA610810-15	ND	100	mg/kg	100
28 August 1992	JA610828-29	ND	100	mg/kg	100
29 August 1992	JA610829-16	ND	100	mg/kg	100
31 August 1992	JA610831-16	ND	100	mg/kg	100
12 September 1992	JA610912-59	ND	100	mg/kg	100
24 September 1992	JA610924-46	ND	100	mg/kg	100
27 September 1992	JA610927-16	ND	100	mg/kg	100
29 September 1992	JA610929-16	ND	100	mg/kg	100
29 September 1992	JA610929-23	ND	100	mg/kg	100
29 September 1992	JA610929-11	ND	100	mg/kg	100
29 September 1992	JA610929-1	ND	100	mg/kg	100
1 October 1992	JA611001-42	ND	100	mg/kg	100
1 October 1992	JA611001-16	ND	100	mg/kg	100
2 October 1992	JA611002-25	ND	100	mg/kg	100
5 October 1992	JA611005-16	ND	100	mg/kg	100
12 October 1992	JA611012-20	ND	100	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 100

Method : SW6010					
Analyte : Manganese					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	1	mg/kg	100
10 August 1992	JA610810-15	ND	1	mg/kg	100
28 August 1992	JA610828-29	ND	1	mg/kg	100
29 August 1992	JA610829-16	ND	1	mg/kg	100
31 August 1992	JA610831-16	ND	1	mg/kg	100
12 September 1992	JA610912-59	ND	1	mg/kg	100
24 September 1992	JA610924-46	ND	1	mg/kg	100
27 September 1992	JA610927-16	ND	1	mg/kg	100
29 September 1992	JA610929-1	ND	1	mg/kg	100
29 September 1992	JA610929-16	ND	1	mg/kg	100
29 September 1992	JA610929-23	ND	1	mg/kg	100
29 September 1992	JA610929-11	ND	1	mg/kg	100
1 October 1992	JA611001-16	ND	1	mg/kg	100
1 October 1992	JA611001-42	ND	1	mg/kg	100
2 October 1992	JA611002-25	ND	1	mg/kg	100
5 October 1992	JA611005-16	ND	1	mg/kg	100
12 October 1992	JA611012-20	ND	1	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Molybdenum					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	5	mg/kg	100
10 August 1992	JA610810-15	ND	5	mg/kg	100
28 August 1992	JA610828-29	ND	5	mg/kg	100
29 August 1992	JA610829-16	ND	5	mg/kg	100
31 August 1992	JA610831-16	ND	5	mg/kg	100
12 September 1992	JA610912-59	ND	5	mg/kg	100
24 September 1992	JA610924-46	ND	5	mg/kg	100
27 September 1992	JA610927-16	ND	5	mg/kg	100
29 September 1992	JA610929-23	ND	5	mg/kg	100
29 September 1992	JA610929-11	ND	5	mg/kg	100
29 September 1992	JA610929-16	ND	5	mg/kg	100
29 September 1992	JA610929-1	ND	5	mg/kg	100
1 October 1992	JA611001-42	ND	5	mg/kg	100
1 October 1992	JA611001-16	ND	5	mg/kg	100
2 October 1992	JA611002-25	ND	5	mg/kg	100
5 October 1992	JA611005-16	ND	5	mg/kg	100
12 October 1992	JA611012-20	ND	5	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 5

Method : SW6010					
Analyte : Nickel					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	2	mg/kg	100
10 August 1992	JA610810-15	ND	2	mg/kg	100
28 August 1992	JA610828-29	ND	2	mg/kg	100
29 August 1992	JA610829-16	ND	2	mg/kg	100
31 August 1992	JA610831-16	ND	2	mg/kg	100
12 September 1992	JA610912-59	ND	2	mg/kg	100
24 September 1992	JA610924-46	ND	2	mg/kg	100
27 September 1992	JA610927-16	ND	2	mg/kg	100
29 September 1992	JA610929-11	ND	2	mg/kg	100
29 September 1992	JA610929-1	ND	2	mg/kg	100
29 September 1992	JA610929-16	ND	2	mg/kg	100
29 September 1992	JA610929-23	ND	2	mg/kg	100
1 October 1992	JA611001-42	ND	2	mg/kg	100
1 October 1992	JA611001-16	ND	2	mg/kg	100
2 October 1992	JA611002-25	ND	2	mg/kg	100
5 October 1992	JA611005-16	ND	2	mg/kg	100
12 October 1992	JA611012-20	ND	2	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 2

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Potassium					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	300	mg/kg	100
10 August 1992	JA610810-15	ND	300	mg/kg	100
28 August 1992	JA610828-29	ND	300	mg/kg	100
29 August 1992	JA610829-16	ND	300	mg/kg	100
31 August 1992	JA610831-16	ND	300	mg/kg	100
12 September 1992	JA610912-59	ND	300	mg/kg	100
24 September 1992	JA610924-46	ND	300	mg/kg	100
27 September 1992	JA610927-16	ND	300	mg/kg	100
29 September 1992	JA610929-16	ND	300	mg/kg	100
29 September 1992	JA610929-23	ND	300	mg/kg	100
29 September 1992	JA610929-1	ND	300	mg/kg	100
29 September 1992	JA610929-11	ND	300	mg/kg	100
1 October 1992	JA611001-42	ND	300	mg/kg	100
1 October 1992	JA611001-16	ND	300	mg/kg	100
2 October 1992	JA611002-25	ND	300	mg/kg	100
5 October 1992	JA611005-16	ND	300	mg/kg	100
12 October 1992	JA611012-20	ND	300	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 300

Method : SW6010					
Analyte : Selenium					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	30	mg/kg	100
10 August 1992	JA610810-15	ND	30	mg/kg	100
28 August 1992	JA610828-29	ND	30	mg/kg	100
29 August 1992	JA610829-16	ND	30	mg/kg	100
31 August 1992	JA610831-16	ND	30	mg/kg	100
12 September 1992	JA610912-59	ND	30	mg/kg	100
24 September 1992	JA610924-46	ND	30	mg/kg	100
27 September 1992	JA610927-16	ND	30	mg/kg	100
29 September 1992	JA610929-23	ND	30	mg/kg	100
29 September 1992	JA610929-16	ND	30	mg/kg	100
29 September 1992	JA610929-11	ND	30	mg/kg	100
29 September 1992	JA610929-1	ND	30	mg/kg	100
1 October 1992	JA611001-16	ND	30	mg/kg	100
1 October 1992	JA611001-42	ND	30	mg/kg	100
2 October 1992	JA611002-25	ND	30	mg/kg	100
5 October 1992	JA611005-16	ND	30	mg/kg	100
12 October 1992	JA611012-20	ND	30	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 30

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Silver					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	1	mg/kg	100
10 August 1992	JA610810-15	ND	1	mg/kg	100
28 August 1992	JA610828-29	ND	1	mg/kg	100
29 August 1992	JA610829-16	ND	1	mg/kg	100
31 August 1992	JA610831-16	ND	1	mg/kg	100
12 September 1992	JA610912-59	ND	1	mg/kg	100
24 September 1992	JA610924-46	ND	1	mg/kg	100
27 September 1992	JA610927-16	ND	1	mg/kg	100
29 September 1992	JA610929-16	ND	1	mg/kg	100
29 September 1992	JA610929-1	ND	1	mg/kg	100
29 September 1992	JA610929-23	ND	1	mg/kg	100
29 September 1992	JA610929-11	ND	1	mg/kg	100
1 October 1992	JA611001-42	ND	1	mg/kg	100
1 October 1992	JA611001-16	ND	1	mg/kg	100
2 October 1992	JA611002-25	ND	1	mg/kg	100
5 October 1992	JA611005-16	ND	1	mg/kg	100
12 October 1992	JA611012-20	ND	1	mg/kg	100

Total Number of Blanks = 17

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1

Method : SW6010					
Analyte : Sodium					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	100	mg/kg	100
10 August 1992	JA610810-15	ND	100	mg/kg	100
28 August 1992	JA610828-29	ND	100	mg/kg	100
29 August 1992	JA610829-16	ND	100	mg/kg	100
31 August 1992	JA610831-16	ND	100	mg/kg	100
12 September 1992	JA610912-59	ND	100	mg/kg	100
24 September 1992	JA610924-46	ND	100	mg/kg	100
27 September 1992	JA610927-16	ND	100	mg/kg	100
29 September 1992	JA610929-23	ND	100	mg/kg	100
29 September 1992	JA610929-11	ND	100	mg/kg	100
29 September 1992	JA610929-16	ND	100	mg/kg	100
29 September 1992	JA610929-1	ND	100	mg/kg	100
1 October 1992	JA611001-16	ND	100	mg/kg	100
1 October 1992	JA611001-42	ND	100	mg/kg	100
2 October 1992	JA611002-25	ND	100	mg/kg	100
5 October 1992	JA611005-16	ND	100	mg/kg	100
12 October 1992	JA611012-20	ND	100	mg/kg	100

Total Number of Blanks = 17

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW6010					
Analyte : Thallium					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	10	mg/kg	100
10 August 1992	JA610810-15	ND	10	mg/kg	100
28 August 1992	JA610828-29	ND	10	mg/kg	100
29 August 1992	JA610829-16	ND	10	mg/kg	100
31 August 1992	JA610831-16	ND	10	mg/kg	100
12 September 1992	JA610912-59	ND	10	mg/kg	100
24 September 1992	JA610924-46	ND	10	mg/kg	100
27 September 1992	JA610927-16	ND	10	mg/kg	100
29 September 1992	JA610929-11	ND	10	mg/kg	100
29 September 1992	JA610929-23	ND	10	mg/kg	100
29 September 1992	JA610929-1	ND	10	mg/kg	100
29 September 1992	JA610929-16	ND	10	mg/kg	100
1 October 1992	JA611001-16	ND	10	mg/kg	100
1 October 1992	JA611001-42	ND	10	mg/kg	100
2 October 1992	JA611002-25	ND	10	mg/kg	100
5 October 1992	JA611005-16	ND	10	mg/kg	100
12 October 1992	JA611012-20	ND	10	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW6010					
Analyte : Vanadium					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	2	mg/kg	100
10 August 1992	JA610810-15	ND	2	mg/kg	100
28 August 1992	JA610828-29	ND	2	mg/kg	100
29 August 1992	JA610829-16	ND	2	mg/kg	100
31 August 1992	JA610831-16	ND	2	mg/kg	100
12 September 1992	JA610912-59	ND	2	mg/kg	100
24 September 1992	JA610924-46	ND	2	mg/kg	100
27 September 1992	JA610927-16	ND	2	mg/kg	100
29 September 1992	JA610929-16	ND	2	mg/kg	100
29 September 1992	JA610929-1	ND	2	mg/kg	100
29 September 1992	JA610929-11	ND	2	mg/kg	100
29 September 1992	JA610929-23	ND	2	mg/kg	100
1 October 1992	JA611001-42	ND	2	mg/kg	100
1 October 1992	JA611001-16	ND	2	mg/kg	100
2 October 1992	JA611002-25	ND	2	mg/kg	100
5 October 1992	JA611005-16	ND	2	mg/kg	100
12 October 1992	JA611012-20	ND	2	mg/kg	100

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 2

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW6010					
Analyte : Zinc					
Type of Blank : Method Blank					
7 August 1992	JA610807-16	ND	2	mg/kg	100
10 August 1992	JA610810-15	ND	2	mg/kg	100
28 August 1992	JA610828-29	ND	2	mg/kg	100
29 August 1992	JA610829-16	ND	2	mg/kg	100
31 August 1992	JA610831-16	ND	2	mg/kg	100
12 September 1992	JA610912-59	ND	2	mg/kg	100
24 September 1992	JA610924-46	ND	2	mg/kg	100
27 September 1992	JA610927-16	ND	2	mg/kg	100
29 September 1992	JA610929-11	ND	2	mg/kg	100
29 September 1992	JA610929-1	ND	2	mg/kg	100
29 September 1992	JA610929-23	ND	2	mg/kg	100
29 September 1992	JA610929-16	ND	2	mg/kg	100
1 October 1992	JA611001-16	ND	2	mg/kg	100
1 October 1992	JA611001-42	ND	2	mg/kg	100
2 October 1992	JA611002-25	ND	2	mg/kg	100
5 October 1992	JA611005-16	ND	2	mg/kg	100
12 October 1992	JA611012-20	ND	2	mg/kg	100

Total Number of Blanks = 17

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 2

Method : SW7060					
Analyte : Arsenic					
Type of Blank : Method Blank					
13 August 1992	Z1081312-7	ND	0.4	mg/kg	100
19 August 1992	Z3081913-21	ND	0.4	mg/kg	100
23 August 1992	Z3082309-54	ND	0.4	mg/kg	100
25 August 1992	Z3082508-65	ND	0.4	mg/kg	100
28 August 1992	Z3082813-25	ND	0.4	mg/kg	100
28 August 1992	Z3082808-7	ND	0.4	mg/kg	100
28 August 1992	Z3082813-7	ND	0.4	mg/kg	100
2 September 1992	Z3090214-14	ND	0.4	mg/kg	100
2 September 1992	Z3090208-63	ND	0.4	mg/kg	100
2 September 1992	Z3090214-7	ND	0.4	mg/kg	100
2 September 1992	Z3090208-37	ND	0.4	mg/kg	100
8 September 1992	Z3090813-7	ND	0.4	mg/kg	100
8 September 1992	Z3090808-25	ND	0.4	mg/kg	100
8 September 1992	Z3090813-29	ND	0.4	mg/kg	100
9 September 1992	Z3090916-7	ND	0.4	mg/kg	100
10 September 1992	Z3091010-11	ND	0.4	mg/kg	100
13 September 1992	Z3091309-74	ND	0.4	mg/kg	100
13 September 1992	Z3091309-7	ND	0.4	mg/kg	100
16 September 1992	Z3091608-119	ND	0.4	mg/kg	100
25 September 1992	Z3092509-32	ND	0.4	mg/kg	100

Total Number of Blanks = 20

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.4

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW7060					
Analyte : Arsenic, cont.					
Type of Blank : Method Blank					
Method : SW7421					
Analyte : Lead					
Type of Blank : Method Blank					
6 August 1992	Z2080615-60	ND	0.3	mg/kg	100
7 August 1992	Z2080709-58	ND	0.3	mg/kg	100
20 August 1992	Z1082008-25	0.31	0.3	mg/kg	100
23 August 1992	Z1082315-7	ND	0.3	mg/kg	100
27 August 1992	Z1082708-7	ND	0.3	mg/kg	100
27 August 1992	Z1082708-73	ND	0.3	mg/kg	100
28 August 1992	Z1082817-7	0.35	0.3	mg/kg	100
3 September 1992	Z2090309-72	ND	0.3	mg/kg	100
3 September 1992	Z2090309-39	ND	0.3	mg/kg	100
8 September 1992	Z2090812-7	ND	0.3	mg/kg	100
9 September 1992	Z1090908-7	ND	0.3	mg/kg	100
11 September 1992	Z1091108-36	ND	0.3	mg/kg	100
11 September 1992	Z1091108-47	ND	0.3	mg/kg	100
11 September 1992	Z1091108-7	0.31	0.3	mg/kg	100
13 September 1992	Z1091308-51	ND	0.3	mg/kg	100
14 September 1992	Z1091417-32	ND	0.3	mg/kg	100
14 September 1992	Z1091417-7	0.33	0.3	mg/kg	100
17 September 1992	Z2091717-28	0.3	0.3	mg/kg	100
17 September 1992	Z1091719-7	0.69	0.3	mg/kg	100
Total Number of Blanks = 19		Concentration Range 0.30 - 0.69			
Total Number above Reporting Limit = 6		Maximum Reporting Limit = 0.3			
Method : SW7471					
Analyte : Mercury					
Type of Blank : Method Blank					
1 August 1992	Z3080118-8	ND	0.045	mg/kg	250
3 August 1992	D2080316-8	ND	0.045	mg/kg	250
6 August 1992	Z3080618-88	ND	0.045	mg/kg	250
10 August 1992	D2081016-8	ND	0.045	mg/kg	250
17 August 1992	D2081713-8	ND	0.045	mg/kg	250
20 August 1992	Z3082017-87	ND	0.045	mg/kg	250
20 August 1992	Z3082017-105	0.05	0.045	mg/kg	250
24 August 1992	D2082413-36	ND	0.045	mg/kg	250
25 August 1992	Z3082518-69	0.068	0.045	mg/kg	250
3 September 1992	Z3090316-37	0.08	0.045	mg/kg	250
24 September 1992	Z3092418-8	0.078	0.045	mg/kg	250
24 September 1992	Z3092418-37	0.078	0.045	mg/kg	250
Total Number of Blanks = 12		Concentration Range 0.050 - 0.080			
Total Number above Reporting Limit = 5		Maximum Reporting Limit = 0.045			

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW7740					
Analyte : Selenium					
Type of Blank : Method Blank					
10 August 1992	Z3081014-11	ND	0.5	mg/kg	100
21 August 1992	Z3082108-72	ND	0.5	mg/kg	100
25 August 1992	Z1082517-41	ND	0.5	mg/kg	100
25 August 1992	Z1082513-7	ND	0.5	mg/kg	100
28 August 1992	Z2082808-7	ND	0.5	mg/kg	100
31 August 1992	Z2083110-7	ND	0.5	mg/kg	100
3 September 1992	Z3090310-28	ND	0.5	mg/kg	100
3 September 1992	Z3090310-51	ND	0.5	mg/kg	100
3 September 1992	Z3090310-7	ND	0.5	mg/kg	100
9 September 1992	Z2090917-7	ND	0.5	mg/kg	100
11 September 1992	Z2091113-7	ND	0.5	mg/kg	100
11 September 1992	Z2091108-7	ND	0.5	mg/kg	100
11 September 1992	Z2091113-24	ND	0.5	mg/kg	100
13 September 1992	Z2091308-30	ND	0.5	mg/kg	100
13 September 1992	Z2091308-7	ND	0.5	mg/kg	100
14 September 1992	Z2091409-30	ND	0.5	mg/kg	100
16 September 1992	Z1091613-18	ND	0.5	mg/kg	100
23 September 1992	Z3092309-7	ND	0.5	mg/kg	100
23 September 1992	Z3092312-7	ND	0.5	mg/kg	100

Total Number of Blanks = 19

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.5

Method : SW8015MEMP					
Analyte : Diesel Range Organics (2)					
Type of Blank : Method Blank					
17 August 1992	OM1712	ND	20	mg/kg	100
18 August 1992	OM1712	ND	20	mg/kg	100
19 August 1992	OM196	ND	20	mg/kg	100
19 August 1992	OM186	ND	20	mg/kg	100
31 August 1992	OM3013	ND	20	mg/kg	100
31 August 1992	OM316	ND	20	mg/kg	100
2 September 1992	QM019	ND	20	mg/kg	100
2 September 1992	QM027	ND	20	mg/kg	100
7 September 1992	QM076	ND	20	mg/kg	100
7 September 1992	QM0613	ND	20	mg/kg	100
9 September 1992	QM087	ND	20	mg/kg	100
10 September 1992	QM096	23	20	mg/kg	100
11 September 1992	QM106	ND	20	mg/kg	100
11 September 1992	QM117	ND	20	mg/kg	100
19 September 1992	QM196	ND	20	mg/kg	100
20 September 1992	QM206	ND	20	mg/kg	100
21 September 1992	QM216	ND	20	mg/kg	100
23 September 1992	QM236	ND	20	mg/kg	100
25 September 1992	QM256	ND	20	mg/kg	100
28 September 1992	QM288	ND	20	mg/kg	100
29 September 1992	QM296	ND	20	mg/kg	100



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8015MEMP					
Analyte : Diesel Range Organics (2), cont.					
Type of Blank : Method Blank					
30 September 1992	QM306	ND	20	mg/kg	100
8 October 1992	SM0826	ND	20	mg/kg	100
8 October 1992	SG0717	ND	20	mg/kg	100
Total Number of Blanks = 24			Concentration Range	23.0 -	23.0
Total Number above Reporting Limit = 1			Maximum Reporting Limit = 20		
Method : SW8015MEMP					
Analyte : Diesel Range Organics (2)					
Type of Blank : Method Blank					
17 August 1992	OM1712	ND	20000	ug/kg	100
18 August 1992	OM1712	ND	20000	ug/kg	100
19 August 1992	OM186	ND	20000	ug/kg	100
19 August 1992	OM196	ND	20000	ug/kg	100
31 August 1992	QM3013	ND	20000	ug/kg	100
31 August 1992	QM316	ND	20000	ug/kg	100
2 September 1992	QM027	ND	20000	ug/kg	100
2 September 1992	QM019	ND	20000	ug/kg	100
7 September 1992	QM076	ND	20000	ug/kg	100
7 September 1992	QM0613	ND	20000	ug/kg	100
9 September 1992	QM087	ND	20000	ug/kg	100
10 September 1992	QM096	23000	20000	ug/kg	100
11 September 1992	QM117	ND	20000	ug/kg	100
11 September 1992	QM106	ND	20000	ug/kg	100
19 September 1992	QM196	ND	20000	ug/kg	100
20 September 1992	QM206	ND	20000	ug/kg	100
21 September 1992	QM216	ND	20000	ug/kg	100
23 September 1992	QM236	ND	20000	ug/kg	100
25 September 1992	QM256	ND	20000	ug/kg	100
28 September 1992	QM288	ND	20000	ug/kg	100
29 September 1992	QM296	ND	20000	ug/kg	100
30 September 1992	QM306	ND	20000	ug/kg	100
8 October 1992	SM0826	ND	20000	ug/kg	100
8 October 1992	SG0717	ND	20000	ug/kg	100
Total Number of Blanks = 24			Concentration Range	23000.0 -	23000.0
Total Number above Reporting Limit = 1			Maximum Reporting Limit = 20000		
Method : SW8015MEMP					
Analyte : Gasoline Range Organics (2)					
Type of Blank : Method Blank					
17 July 1992	ML1710	ND	10	mg/kg	100
18 July 1992	ML187	ND	10	mg/kg	100
20 July 1992	ML2012	ND	10	mg/kg	100
24 July 1992	ML2315	ND	10	mg/kg	100
28 July 1992	ML2717	ND	10	mg/kg	100

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8015MEMP					
Analyte : Gasoline Range Organics (2), cont.					
Type of Blank : Method Blank					
30 July 1992	ML3011	20	10	mg/kg	100
1 August 1992	OL17	ND	10	mg/kg	100
3 August 1992	OL48	ND	10	mg/kg	100
4 August 1992	OL59	ND	10	mg/kg	100
6 August 1992	OL614	ND	10	mg/kg	100
7 August 1992	OL79	ND	10	mg/kg	100
12 August 1992	OL119	ND	10	mg/kg	100
14 August 1992	OL1415	ND	10	mg/kg	100
17 August 1992	OL1712	ND	10	mg/kg	100
19 August 1992	OL1812	ND	10	mg/kg	100
20 August 1992	OL205	ND	10	mg/kg	100
25 August 1992	ON2412	13	10	mg/kg	100
27 August 1992	ON275	ND	10	mg/kg	100
9 September 1992	QL0814	15	10	mg/kg	100
17 September 1992	QL1721	18	10	mg/kg	100
19 September 1992	QL185	11	10	mg/kg	100
13 October 1992	SL133	ND	10	mg/kg	100

Total Number of Blanks = 22

Concentration Range 11.0 - 20.0

Total Number above Reporting Limit = 5

Maximum Reporting Limit = 10

Method : SW8015MEMP					
Analyte : Gasoline Range Organics (2)					
Type of Blank : Method Blank					
17 July 1992	ML1710	ND	10000	ug/kg	100
18 July 1992	ML187	ND	10000	ug/kg	100
20 July 1992	ML2012	ND	10000	ug/kg	100
24 July 1992	ML2315	ND	10000	ug/kg	100
28 July 1992	ML2717	ND	10000	ug/kg	100
30 July 1992	ML3011	20000	10000	ug/kg	100
1 August 1992	OL17	ND	10000	ug/kg	100
3 August 1992	OL48	ND	10000	ug/kg	100
4 August 1992	OL59	ND	10000	ug/kg	100
6 August 1992	OL614	ND	10000	ug/kg	100
7 August 1992	OL79	ND	10000	ug/kg	100
12 August 1992	OL119	ND	10000	ug/kg	100
14 August 1992	OL1415	ND	10000	ug/kg	100
17 August 1992	OL1712	ND	10000	ug/kg	100
19 August 1992	OL1812	ND	10000	ug/kg	100
20 August 1992	OL205	ND	10000	ug/kg	100
25 August 1992	ON2412	13000	10000	ug/kg	100
27 August 1992	ON275	ND	10000	ug/kg	100
9 September 1992	QL0814	15000	10000	ug/kg	100
17 September 1992	QL1721	18000	10000	ug/kg	100
19 September 1992	QL185	11000	10000	ug/kg	100
13 October 1992	SL133	ND	10000	ug/kg	100

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8015MEMP					
Analyte : Gasoline Range Organics (2), cont.					
Type of Blank : Method Blank					
Total Number of Blanks = 22		Concentration Range 11000.0 - 20000.0			
Total Number above Reporting Limit = 5		Maximum Reporting Limit = 10000			
Method : SW8080					
Analyte : 4,4'-DDD					
Type of Blank : Method Blank					
24 August 1992	082HX14	0.0051	0.001	mg/kg	100
25 August 1992	082HX48	0.00079	0.00033	mg/kg	33.33333
31 August 1992	082H36	0.00067	0.00033	mg/kg	33.33333
4 September 1992	A12IB97	ND	0.00033	mg/kg	33.33333
4 September 1992	A12IB77	0.00059	0.00033	mg/kg	33.33333
17 September 1992	A12IQ15	ND	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.00033	mg/kg	33.3333
18 September 1992	A12IQ54	ND	0.00033	mg/kg	33.33333
25 September 1992	A12IY14	ND	0.00033	mg/kg	33.33333
26 September 1992	G42IZ14	ND	0.00033	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.00033	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.00033	mg/kg	33.33333
13 October 1992	P82JM14	0.0009	0.00033	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.00033	mg/kg	33.33333
14 October 1992	A12JN7	0.00013	0.00033	mg/kg	33.33333
-----					
Total Number of Blanks = 15		Concentration Range 0.00059 - 0.0051			
Total Number above Reporting Limit = 5		Maximum Reporting Limit = 0.00033			
Method : SW8080					
Analyte : 4,4'-DDD					
Type of Blank : Method Blank					
24 August 1992	082HX14	5.1	1	ug/kg	100
25 August 1992	082HX48	0.79	0.33	ug/kg	33.33333
31 August 1992	082H36	0.67	0.33	ug/kg	33.33333
4 September 1992	A12IB97	ND	0.33	ug/kg	33.33333
4 September 1992	A12IB77	0.59	0.33	ug/kg	33.33333
17 September 1992	A12IQ15	ND	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	ND	0.33	ug/kg	33.3333
18 September 1992	A12IQ54	ND	0.33	ug/kg	33.33333
25 September 1992	A12IY14	ND	0.33	ug/kg	33.33333
26 September 1992	G42IZ14	ND	0.33	ug/kg	33.33333
8 October 1992	L62JG29	ND	0.33	ug/kg	33.33333
8 October 1992	K62JG29	ND	0.33	ug/kg	33.33333
13 October 1992	K62JL32	ND	0.33	ug/kg	33.33333
13 October 1992	P82JM14	0.9	0.33	ug/kg	33.33333
14 October 1992	A12JN7	0.13	0.33	ug/kg	33.33333
-----					
Total Number of Blanks = 15		Concentration Range 0.59 - 5.1			
Total Number above Reporting Limit = 5		Maximum Reporting Limit = 0.33			

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : 4,4'-DDD, cont.					
Type of Blank : Method Blank					
Method : SW8080					
Analyte : 4,4'-DDE					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	0.001	mg/kg	100
25 August 1992	082HX48	ND	0.00033	mg/kg	33.33333
31 August 1992	082H36	ND	0.00033	mg/kg	33.33333
4 September 1992	A121B97	0.00036	0.00033	mg/kg	33.33333
4 September 1992	A121B77	ND	0.00033	mg/kg	33.33333
17 September 1992	A121Q15	0.00034	0.00033	mg/kg	33.33333
18 September 1992	A121Q54	0.00033	0.00033	mg/kg	33.33333
18 September 1992	A121Q54	0.00033	0.00033	mg/kg	33.3333
25 September 1992	A121Y14	0.00038	0.00033	mg/kg	33.33333
26 September 1992	G421Z14	ND	0.00033	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.00033	mg/kg	33.33333
8 October 1992	L62JG29	0.00033	0.00033	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.00033	mg/kg	33.33333
13 October 1992	P82JM14	0.0027	0.00033	mg/kg	33.33333
14 October 1992	A12JN7	0.00017	0.00033	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.00033 - 0.0027

Total Number above Reporting Limit = 7

Maximum Reporting Limit = 0.001

Method : SW8080  
 Analyte : 4,4'-DDE  
 Type of Blank : Method Blank

24 August 1992	082HX14	ND	1	ug/kg	100
25 August 1992	082HX48	ND	0.33	ug/kg	33.33333
31 August 1992	082H36	ND	0.33	ug/kg	33.33333
4 September 1992	A121B77	ND	0.33	ug/kg	33.33333
4 September 1992	A121B97	0.36	0.33	ug/kg	33.33333
17 September 1992	A121Q15	0.34	0.33	ug/kg	33.33333
18 September 1992	A121Q54	0.33	0.33	ug/kg	33.33333
18 September 1992	A121Q54	0.33	0.33	ug/kg	33.3333
25 September 1992	A121Y14	0.38	0.33	ug/kg	33.33333
26 September 1992	G421Z14	ND	0.33	ug/kg	33.33333
8 October 1992	L62JG29	0.33	0.33	ug/kg	33.33333
8 October 1992	K62JG29	ND	0.33	ug/kg	33.33333
13 October 1992	P82JM14	2.7	0.33	ug/kg	33.33333
13 October 1992	K62JL32	ND	0.33	ug/kg	33.33333
14 October 1992	A12JN7	0.17	0.33	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.33 - 2.7

Total Number above Reporting Limit = 7

Maximum Reporting Limit = 1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : 4,4'-DDT					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	0.002	mg/kg	100
25 August 1992	082HX48	0.00043	0.00067	mg/kg	33.33333
31 August 1992	082H36	0.00041	0.00067	mg/kg	33.33333
4 September 1992	A121B77	ND	0.00067	mg/kg	33.33333
4 September 1992	A121B97	ND	0.00067	mg/kg	33.33333
17 September 1992	A121Q15	ND	0.00067	mg/kg	33.33333
18 September 1992	A121Q54	ND	0.00067	mg/kg	33.33333
18 September 1992	A121Q54	ND	0.00067	mg/kg	33.33333
25 September 1992	A121Y14	0.00007	0.00067	mg/kg	33.33333
26 September 1992	G421Z14	ND	0.00067	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.00067	mg/kg	33.33333
8 October 1992	L62JG29	0.00067	0.00067	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.00067	mg/kg	33.33333
13 October 1992	P82JM14	0.00053	0.00067	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.00067	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.00067 - 0.00067

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.002

Method : SW8080					
Analyte : 4,4'-DDT					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	2	ug/kg	100
25 August 1992	082HX48	0.43	0.67	ug/kg	33.33333
31 August 1992	082H36	0.41	0.67	ug/kg	33.33333
4 September 1992	A121B97	ND	0.67	ug/kg	33.33333
4 September 1992	A121B77	ND	0.67	ug/kg	33.33333
17 September 1992	A121Q15	ND	0.67	ug/kg	33.33333
18 September 1992	A121Q54	ND	0.67	ug/kg	33.33333
18 September 1992	A121Q54	ND	0.67	ug/kg	33.33333
25 September 1992	A121Y14	0.07	0.67	ug/kg	33.33333
26 September 1992	G421Z14	ND	0.67	ug/kg	33.33333
8 October 1992	L62JG29	0.67	0.67	ug/kg	33.33333
8 October 1992	K62JG29	ND	0.67	ug/kg	33.33333
13 October 1992	P82JM14	0.53	0.67	ug/kg	33.33333
13 October 1992	K62JL32	ND	0.67	ug/kg	33.33333
14 October 1992	A12JN7	ND	0.67	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.67 - 0.67

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 2

Method : SW8080					
Analyte : Aldrin					
Type of Blank : Method Blank					
24 August 1992	082HX14	0.0013	0.001	mg/kg	100
25 August 1992	082HX48	ND	0.00033	mg/kg	33.33333
31 August 1992	082H36	ND	0.00033	mg/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Aldrin, cont.					
Type of Blank : Method Blank					
4 September 1992	A12IB97	0.00041	0.00033	mg/kg	33.33333
4 September 1992	A12IB77	0.00074	0.00033	mg/kg	33.33333
17 September 1992	A12IQ15	ND	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.00033	mg/kg	33.33333
25 September 1992	A12IY14	0.00038	0.00033	mg/kg	33.33333
26 September 1992	G42IZ14	0.00013	0.00033	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.00033	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.00033	mg/kg	33.33333
13 October 1992	K62JL32	0.00041	0.00033	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.00033	mg/kg	33.33333
14 October 1992	A12JN7	0.00049	0.00033	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.00038 - 0.0013

Total Number above Reporting Limit = 6

Maximum Reporting Limit = 0.00033

Method : SW8080					
Analyte : Aldrin					
Type of Blank : Method Blank					
24 August 1992	082HX14	1.3	1	ug/kg	100
25 August 1992	082HX48	ND	0.33	ug/kg	33.33333
31 August 1992	082H36	ND	0.33	ug/kg	33.33333
4 September 1992	A12IB97	0.41	0.33	ug/kg	33.33333
4 September 1992	A12IB77	0.74	0.33	ug/kg	33.33333
17 September 1992	A12IQ15	ND	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	ND	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	ND	0.33	ug/kg	33.33333
25 September 1992	A12IY14	0.38	0.33	ug/kg	33.33333
26 September 1992	G42IZ14	0.13	0.33	ug/kg	33.33333
8 October 1992	L62JG29	ND	0.33	ug/kg	33.33333
8 October 1992	K62JG29	ND	0.33	ug/kg	33.33333
13 October 1992	K62JL32	0.41	0.33	ug/kg	33.33333
13 October 1992	P82JM14	ND	0.33	ug/kg	33.33333
14 October 1992	A12JN7	0.49	0.33	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.38 - 1.3

Total Number above Reporting Limit = 6

Maximum Reporting Limit = 0.33

Method : SW8080					
Analyte : Chlordane					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	0.005	mg/kg	100
25 August 1992	082HX48	ND	0.0017	mg/kg	33.33333
31 August 1992	082H36	ND	0.0017	mg/kg	33.33333
4 September 1992	A12IB97	ND	0.0017	mg/kg	33.33333
4 September 1992	A12IB77	ND	0.0017	mg/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Chlordane, cont.					
Type of Blank : Method Blank					
17 September 1992	A12IQ15	ND	0.0017	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.0017	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.0017	mg/kg	33.3333
25 September 1992	A12IY14	ND	0.0017	mg/kg	33.33333
26 September 1992	G42IZ14	ND	0.0017	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.0017	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.0017	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.0017	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.0017	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.0017	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.005

Method : SW8080					
Analyte : Chlordane					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	5	ug/kg	100
25 August 1992	O82HX48	ND	1.7	ug/kg	33.33333
31 August 1992	O82H36	ND	1.7	ug/kg	33.33333
4 September 1992	A12IB77	ND	1.7	ug/kg	33.33333
4 September 1992	A12IB97	ND	1.7	ug/kg	33.33333
17 September 1992	A12IQ15	ND	1.7	ug/kg	33.33333
18 September 1992	A12IQ54	ND	1.7	ug/kg	33.3333
18 September 1992	A12IQ54	ND	1.7	ug/kg	33.33333
25 September 1992	A12IY14	ND	1.7	ug/kg	33.33333
26 September 1992	G42IZ14	ND	1.7	ug/kg	33.33333
8 October 1992	K62JG29	ND	1.7	ug/kg	33.33333
8 October 1992	L62JG29	ND	1.7	ug/kg	33.33333
13 October 1992	K62JL32	ND	1.7	ug/kg	33.33333
13 October 1992	P82JM14	ND	1.7	ug/kg	33.33333
14 October 1992	A12JN7	ND	1.7	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 5

Method : SW8080					
Analyte : Dieldrin					
Type of Blank : Method Blank					
24 August 1992	O82HX14	0.0006	0.001	mg/kg	100
25 August 1992	O82HX48	0.00017	0.00033	mg/kg	33.33333
31 August 1992	O82H36	0.00017	0.00033	mg/kg	33.33333
4 September 1992	A12IB77	0.00027	0.00033	mg/kg	33.33333
4 September 1992	A12IB97	0.00026	0.00033	mg/kg	33.33333
17 September 1992	A12IQ15	0.00024	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	0.00023	0.00033	mg/kg	33.3333

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8080					
Analyte : Dieldrin, cont.					
Type of Blank : Method Blank					
18 September 1992	A12IQ54	0.00023	0.00033	mg/kg	33.33333
25 September 1992	A12IY14	0.00026	0.00033	mg/kg	33.33333
26 September 1992	G42IZ14	ND	0.00033	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.00033	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.00033	mg/kg	33.33333
13 October 1992	P82JM14	0.00037	0.00033	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.00033	mg/kg	33.33333
14 October 1992	A12JN7	0.00021	0.00033	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.00037 - 0.00037

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.00033

Method : SW8080					
Analyte : Dieldrin					
Type of Blank : Method Blank					
24 August 1992	082HX14	0.6	1	ug/kg	100
25 August 1992	082HX48	0.17	0.33	ug/kg	33.33333
31 August 1992	082H36	0.17	0.33	ug/kg	33.33333
4 September 1992	A12IB97	0.26	0.33	ug/kg	33.33333
4 September 1992	A12IB77	0.27	0.33	ug/kg	33.33333
17 September 1992	A12IQ15	0.24	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	0.23	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	0.23	0.33	ug/kg	33.33333
25 September 1992	A12IY14	0.26	0.33	ug/kg	33.33333
26 September 1992	G42IZ14	ND	0.33	ug/kg	33.33333
8 October 1992	K62JG29	ND	0.33	ug/kg	33.33333
8 October 1992	L62JG29	ND	0.33	ug/kg	33.33333
13 October 1992	K62JL32	ND	0.33	ug/kg	33.33333
13 October 1992	P82JM14	0.37	0.33	ug/kg	33.33333
14 October 1992	A12JN7	0.21	0.33	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.37 - 0.37

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.33

Method : SW8080					
Analyte : Endosulfan I					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	0.001	mg/kg	100
25 August 1992	082HX48	ND	0.00033	mg/kg	33.33333
31 August 1992	082H36	ND	0.00033	mg/kg	33.33333
4 September 1992	A12IB77	0.000046	0.00033	mg/kg	33.33333
4 September 1992	A12IB97	0.00079	0.00033	mg/kg	33.33333
17 September 1992	A12IQ15	0.00094	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	0.00078	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	0.00078	0.00033	mg/kg	33.33333
25 September 1992	A12IY14	0.0003	0.00033	mg/kg	33.33333



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Endosulfan I, cont.					
Type of Blank : Method Blank					
26 September 1992	G42I214	0.00029	0.00033	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.00033	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.00033	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.00033	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.00033	mg/kg	33.33333
14 October 1992	A12JN7	0.00028	0.00033	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.00078 - 0.00094

Total Number above Reporting Limit = 4

Maximum Reporting Limit = 0.001

Method : SW8080					
Analyte : Endosulfan I					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	1	ug/kg	100
25 August 1992	O82HX48	ND	0.33	ug/kg	33.33333
31 August 1992	O82H36	ND	0.33	ug/kg	33.33333
4 September 1992	A12I897	0.79	0.33	ug/kg	33.33333
4 September 1992	A12I877	0.046	0.33	ug/kg	33.33333
17 September 1992	A12IQ15	0.94	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	0.78	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	0.78	0.33	ug/kg	33.33333
25 September 1992	A12IY14	0.3	0.33	ug/kg	33.33333
26 September 1992	G42I214	0.29	0.33	ug/kg	33.33333
8 October 1992	K62JG29	ND	0.33	ug/kg	33.33333
8 October 1992	L62JG29	ND	0.33	ug/kg	33.33333
13 October 1992	K62JL32	ND	0.33	ug/kg	33.33333
13 October 1992	P82JM14	ND	0.33	ug/kg	33.33333
14 October 1992	A12JN7	0.28	0.33	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.78 - 0.94

Total Number above Reporting Limit = 4

Maximum Reporting Limit = 1

Method : SW8080					
Analyte : Endosulfan II					
Type of Blank : Method Blank					
24 August 1992	O82HX14	0.00061	0.003	mg/kg	100
25 August 1992	O82HX48	ND	0.001	mg/kg	33.33333
31 August 1992	O82H36	ND	0.001	mg/kg	33.33333
4 September 1992	A12I877	0.00077	0.001	mg/kg	33.33333
4 September 1992	A12I897	0.001	0.001	mg/kg	33.33333
17 September 1992	A12IQ15	0.0008	0.001	mg/kg	33.33333
18 September 1992	A12IQ54	0.00074	0.001	mg/kg	33.33333
18 September 1992	A12IQ54	0.00074	0.001	mg/kg	33.33333
25 September 1992	A12IY14	0.00093	0.001	mg/kg	33.33333
26 September 1992	G42I214	ND	0.001	mg/kg	33.33333
8 October 1992	L62JG29	0.000042	0.001	mg/kg	33.33333

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Endosulfan II, cont.					
Type of Blank : Method Blank					
8 October 1992	K62JG29	0.0003	0.001	mg/kg	33.33333
13 October 1992	K62JL32	0.00066	0.001	mg/kg	33.33333
13 October 1992	P82JM14	0.00024	0.001	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.001	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.0010 - 0.0010

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.001

Method : SW8080					
Analyte : Endosulfan II					
Type of Blank : Method Blank					
24 August 1992	O82HX14	0.61	3	ug/kg	100
25 August 1992	O82HX48	ND	1	ug/kg	33.33333
31 August 1992	O82H36	ND	1	ug/kg	33.33333
4 September 1992	A12IB97	1	1	ug/kg	33.33333
4 September 1992	A12IB77	0.77	1	ug/kg	33.33333
17 September 1992	A12IQ15	0.8	1	ug/kg	33.33333
18 September 1992	A12IQ54	0.74	1	ug/kg	33.3333
18 September 1992	A12IQ54	0.74	1	ug/kg	33.3333
25 September 1992	A12IY14	0.93	1	ug/kg	33.33333
26 September 1992	G42IZ14	ND	1	ug/kg	33.33333
8 October 1992	K62JG29	0.3	1	ug/kg	33.33333
8 October 1992	L62JG29	0.042	1	ug/kg	33.33333
13 October 1992	K62JL32	0.66	1	ug/kg	33.33333
13 October 1992	P82JM14	0.24	1	ug/kg	33.33333
14 October 1992	A12JN7	ND	1	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range 1.0 - 1.0

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 1

Method : SW8080					
Analyte : Endosulfan Sulfate					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	0.005	mg/kg	100
25 August 1992	O82HX48	0.0018	0.0017	mg/kg	33.33333
31 August 1992	O82H36	0.0018	0.0017	mg/kg	33.33333
4 September 1992	A12IB97	ND	0.0017	mg/kg	33.33333
4 September 1992	A12IB77	ND	0.0017	mg/kg	33.33333
17 September 1992	A12IQ15	ND	0.0017	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.0017	mg/kg	33.3333
18 September 1992	A12IQ54	ND	0.0017	mg/kg	33.33333
25 September 1992	A12IY14	ND	0.0017	mg/kg	33.33333
26 September 1992	G42IZ14	ND	0.0017	mg/kg	33.33333
8 October 1992	L62JG29	0.0006	0.0017	mg/kg	33.3333
8 October 1992	K62JG29	0.00091	0.0017	mg/kg	33.33333
13 October 1992	P82JM14	0.003	0.0017	mg/kg	33.33333

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Endosulfan Sulfate, cont.					
Type of Blank : Method Blank					
13 October 1992	K62JL32	0.0034	0.0017	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.0017	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.0018 - 0.0034

Total Number above Reporting Limit = 4

Maximum Reporting Limit = 0.005

Method : SW8080					
Analyte : Endosulfan Sulfate					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	5	ug/kg	100
25 August 1992	082HX48	1.8	1.7	ug/kg	33.33333
31 August 1992	082H36	1.8	1.7	ug/kg	33.33333
4 September 1992	A12IB97	ND	1.7	ug/kg	33.33333
4 September 1992	A12IB77	ND	1.7	ug/kg	33.33333
17 September 1992	A12IQ15	ND	1.7	ug/kg	33.33333
18 September 1992	A12IQ54	ND	1.7	ug/kg	33.33333
18 September 1992	A12IQ54	ND	1.7	ug/kg	33.33333
25 September 1992	A12IY14	ND	1.7	ug/kg	33.33333
26 September 1992	G42IZ14	ND	1.7	ug/kg	33.33333
8 October 1992	L62JG29	0.6	1.7	ug/kg	33.33333
8 October 1992	K62JG29	0.91	1.7	ug/kg	33.33333
13 October 1992	K62JL32	3.4	1.7	ug/kg	33.33333
13 October 1992	P82JM14	3	1.7	ug/kg	33.33333
14 October 1992	A12JN7	ND	1.7	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range 1.8 - 3.4

Total Number above Reporting Limit = 4

Maximum Reporting Limit = 5

Method : SW8080					
Analyte : Endrin					
Type of Blank : Method Blank					
24 August 1992	082HX14	0.0096	0.001	mg/kg	100
25 August 1992	082HX48	0.00064	0.00033	mg/kg	33.33333
31 August 1992	082H36	0.00053	0.00033	mg/kg	33.33333
4 September 1992	A12IB97	0.00079	0.00033	mg/kg	33.33333
4 September 1992	A12IB77	0.00018	0.00033	mg/kg	33.33333
17 September 1992	A12IQ15	0.0013	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	0.001	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	0.001	0.00033	mg/kg	33.33333
25 September 1992	A12IY14	0.0022	0.00033	mg/kg	33.33333
26 September 1992	G42IZ14	ND	0.00033	mg/kg	33.33333
8 October 1992	K62JG29	0.00091	0.00033	mg/kg	33.33333
8 October 1992	L62JG29	0.00034	0.00033	mg/kg	33.33333
13 October 1992	P82JM14	0.001	0.00033	mg/kg	33.33333
13 October 1992	K62JL32	0.0016	0.00033	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.00033	mg/kg	33.33333

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8080					
Analyte : Endrin, cont.					
Type of Blank : Method Blank					
-----					
Total Number of Blanks = 15		Concentration Range 0.00034 - 0.0096			
Total Number above Reporting Limit = 12		Maximum Reporting Limit = 0.00033			
Method : SW8080					
Analyte : Endrin					
Type of Blank : Method Blank					
24 August 1992	082HX14	9.6	1	ug/kg	100
25 August 1992	082HX48	0.64	0.33	ug/kg	33.33333
31 August 1992	082H36	0.53	0.33	ug/kg	33.33333
4 September 1992	A12IB97	0.79	0.33	ug/kg	33.33333
4 September 1992	A12IB77	0.18	0.33	ug/kg	33.33333
17 September 1992	A12IQ15	1.3	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	1	0.33	ug/kg	33.3333
18 September 1992	A12IQ54	1	0.33	ug/kg	33.33333
25 September 1992	A12IY14	2.2	0.33	ug/kg	33.33333
26 September 1992	G42IZ14	ND	0.33	ug/kg	33.33333
8 October 1992	K62JG29	0.91	0.33	ug/kg	33.33333
8 October 1992	L62JG29	0.34	0.33	ug/kg	33.3333
13 October 1992	K62JL32	1.6	0.33	ug/kg	33.33333
13 October 1992	P82JM14	1	0.33	ug/kg	33.33333
14 October 1992	A12JN7	ND	0.33	ug/kg	33.33333
-----					
Total Number of Blanks = 15		Concentration Range 0.34 - 9.6			
Total Number above Reporting Limit = 12		Maximum Reporting Limit = 0.33			
Method : SW8080					
Analyte : Endrin Aldehyde					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	0.002	mg/kg	100
25 August 1992	082HX48	ND	0.00067	mg/kg	33.33333
31 August 1992	082H36	ND	0.00067	mg/kg	33.33333
4 September 1992	A12IB97	0.00016	0.00067	mg/kg	33.33333
4 September 1992	A12IB77	ND	0.00067	mg/kg	33.33333
17 September 1992	A12IQ15	0.00052	0.00067	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.00067	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.00067	mg/kg	33.3333
25 September 1992	A12IY14	0.00037	0.00067	mg/kg	33.33333
26 September 1992	G42IZ14	ND	0.00067	mg/kg	33.33333
8 October 1992	L62JG29	0.00013	0.00067	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.00067	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.00067	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.00067	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.00067	mg/kg	33.3333
-----					
Total Number of Blanks = 15		Concentration Range NC			

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Endrin Aldehyde, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.002			
Method : SW8080					
Analyte : Endrin Aldehyde					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	2	ug/kg	100
25 August 1992	082HX48	ND	0.67	ug/kg	33.33333
31 August 1992	082H36	ND	0.67	ug/kg	33.33333
4 September 1992	A12IB97	0.16	0.67	ug/kg	33.33333
4 September 1992	A12IB77	ND	0.67	ug/kg	33.33333
17 September 1992	A12IQ15	0.52	0.67	ug/kg	33.33333
18 September 1992	A12IQ54	ND	0.67	ug/kg	33.33333
18 September 1992	A12IQ54	ND	0.67	ug/kg	33.33333
25 September 1992	A12IY14	0.37	0.67	ug/kg	33.33333
26 September 1992	G42IZ14	ND	0.67	ug/kg	33.33333
8 October 1992	K62JG29	ND	0.67	ug/kg	33.33333
8 October 1992	L62JG29	0.13	0.67	ug/kg	33.33333
13 October 1992	K62JL32	ND	0.67	ug/kg	33.33333
13 October 1992	P82JM14	ND	0.67	ug/kg	33.33333
14 October 1992	A12JN7	ND	0.67	ug/kg	33.33333
Total Number of Blanks = 15		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 2			
Method : SW8080					
Analyte : Heptachlor					
Type of Blank : Method Blank					
24 August 1992	082HX14	0.00088	0.001	mg/kg	100
25 August 1992	082HX48	ND	0.00033	mg/kg	33.33333
31 August 1992	082H36	ND	0.00033	mg/kg	33.33333
4 September 1992	A12IB97	ND	0.00033	mg/kg	33.33333
4 September 1992	A12IB77	0.000096	0.00033	mg/kg	33.33333
17 September 1992	A12IQ15	0.000083	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	0.000058	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	0.000058	0.00033	mg/kg	33.33333
25 September 1992	A12IY14	ND	0.00033	mg/kg	33.33333
26 September 1992	G42IZ14	0.00053	0.00033	mg/kg	33.33333
8 October 1992	L62JG29	0.00019	0.00033	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.00033	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.00033	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.00033	mg/kg	33.33333
14 October 1992	A12JN7	0.00012	0.00033	mg/kg	33.33333
Total Number of Blanks = 15		Concentration Range 0.00053 - 0.00053			
Total Number above Reporting Limit = 1		Maximum Reporting Limit = 0.00033			

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8080					
Analyte : Heptachlor					
Type of Blank : Method Blank					
24 August 1992	082HX14	0.88	1	ug/kg	100
25 August 1992	082HX48	ND	0.33	ug/kg	33.33333
31 August 1992	082H36	ND	0.33	ug/kg	33.33333
4 September 1992	A12IB97	ND	0.33	ug/kg	33.33333
4 September 1992	A12IB77	0.096	0.33	ug/kg	33.33333
17 September 1992	A12IQ15	0.083	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	0.058	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	0.058	0.33	ug/kg	33.33333
25 September 1992	A12IY14	ND	0.33	ug/kg	33.33333
26 September 1992	G42IZ14	0.53	0.33	ug/kg	33.33333
8 October 1992	L62JG29	0.19	0.33	ug/kg	33.33333
8 October 1992	K62JG29	ND	0.33	ug/kg	33.33333
13 October 1992	P82JM14	ND	0.33	ug/kg	33.33333
13 October 1992	K62JL32	ND	0.33	ug/kg	33.33333
14 October 1992	A12JN7	0.12	0.33	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.53 - 0.53

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.33

Method : SW8080					
Analyte : Heptachlor epoxide					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	0.001	mg/kg	100
25 August 1992	082HX48	ND	0.00033	mg/kg	33.33333
31 August 1992	082H36	ND	0.00033	mg/kg	33.33333
4 September 1992	A12IB97	0.00015	0.00033	mg/kg	33.33333
4 September 1992	A12IB77	0.0022	0.00033	mg/kg	33.33333
17 September 1992	A12IQ15	0.000014	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	0.000047	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	0.000047	0.00033	mg/kg	33.33333
25 September 1992	A12IY14	0.00016	0.00033	mg/kg	33.33333
26 September 1992	G42IZ14	0.0018	0.00033	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.00033	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.00033	mg/kg	33.33333
13 October 1992	K62JL32	0.0025	0.00033	mg/kg	33.33333
13 October 1992	P82JM14	0.00012	0.00033	mg/kg	33.33333
14 October 1992	A12JN7	0.0014	0.00033	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.0014 - 0.0025

Total Number above Reporting Limit = 4

Maximum Reporting Limit = 0.001

Method : SW8080					
Analyte : Heptachlor epoxide					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	1	ug/kg	100
25 August 1992	082HX48	ND	0.33	ug/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Heptachlor epoxide, cont.					
Type of Blank : Method Blank					
31 August 1992	082H36	ND	0.33	ug/kg	33.33333
4 September 1992	A12IB97	0.15	0.33	ug/kg	33.33333
4 September 1992	A12IB77	2.2	0.33	ug/kg	33.33333
17 September 1992	A12IQ15	0.014	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	0.047	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	0.047	0.33	ug/kg	33.33333
25 September 1992	A12IY14	0.16	0.33	ug/kg	33.33333
26 September 1992	G42IZ14	1.8	0.33	ug/kg	33.33333
8 October 1992	L62JG29	ND	0.33	ug/kg	33.33333
8 October 1992	K62JG29	ND	0.33	ug/kg	33.33333
13 October 1992	P82JM14	0.12	0.33	ug/kg	33.33333
13 October 1992	K62JL32	2.5	0.33	ug/kg	33.33333
14 October 1992	A12JN7	1.4	0.33	ug/kg	33.33333
Total Number of Blanks = 15		Concentration Range 1.4 - 2.5			
Total Number above Reporting Limit = 4		Maximum Reporting Limit = 1			

Method : SW8080					
Analyte : Methoxychlor					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	0.005	mg/kg	100
25 August 1992	082HX48	ND	0.0017	mg/kg	33.33333
31 August 1992	082H36	ND	0.0017	mg/kg	33.33333
4 September 1992	A12IB97	ND	0.0017	mg/kg	33.33333
4 September 1992	A12IB77	ND	0.0017	mg/kg	33.33333
17 September 1992	A12IQ15	ND	0.0017	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.0017	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.0017	mg/kg	33.33333
25 September 1992	A12IY14	ND	0.0017	mg/kg	33.33333
26 September 1992	G42IZ14	ND	0.0017	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.0017	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.0017	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.0017	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.0017	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.0017	mg/kg	33.33333
Total Number of Blanks = 15		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.005			

Method : SW8080					
Analyte : Methoxychlor					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	5	ug/kg	100
25 August 1992	082HX48	ND	1.7	ug/kg	33.33333
31 August 1992	082H36	ND	1.7	ug/kg	33.33333
4 September 1992	A12IB97	ND	1.7	ug/kg	33.33333

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8080					
Analyte : Methoxychlor, cont.					
Type of Blank : Method Blank					
4 September 1992	A12IB77	ND	1.7	ug/kg	33.33333
17 September 1992	A12IQ15	ND	1.7	ug/kg	33.33333
18 September 1992	A12IQ54	ND	1.7	ug/kg	33.3333
18 September 1992	A12IQ54	ND	1.7	ug/kg	33.33333
25 September 1992	A12IY14	ND	1.7	ug/kg	33.33333
26 September 1992	G42IZ14	ND	1.7	ug/kg	33.33333
8 October 1992	K62JG29	ND	1.7	ug/kg	33.33333
8 October 1992	L62JG29	ND	1.7	ug/kg	33.33333
13 October 1992	K62JL32	ND	1.7	ug/kg	33.33333
13 October 1992	P82JM14	ND	1.7	ug/kg	33.33333
14 October 1992	A12JN7	ND	1.7	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 5

Method : SW8080					
Analyte : PCB-1016					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	0.01	mg/kg	100
25 August 1992	O82HX48	ND	0.0033	mg/kg	33.33333
31 August 1992	O82H36	ND	0.0033	mg/kg	33.33333
4 September 1992	A12IB97	ND	0.0033	mg/kg	33.33333
4 September 1992	A12IB77	ND	0.0033	mg/kg	33.33333
17 September 1992	A12IQ15	ND	0.0033	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.0033	mg/kg	33.3333
18 September 1992	A12IQ54	ND	0.0033	mg/kg	33.33333
25 September 1992	A12IY14	ND	0.0033	mg/kg	33.33333
26 September 1992	G42IZ14	ND	0.0033	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.0033	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.0033	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.0033	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.0033	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.0033	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.01

Method : SW8080					
Analyte : PCB-1016					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	10	ug/kg	100
25 August 1992	O82HX48	ND	3.3	ug/kg	33.33333
31 August 1992	O82H36	ND	3.3	ug/kg	33.33333
4 September 1992	A12IB97	ND	3.3	ug/kg	33.3333
4 September 1992	A12IB77	ND	3.3	ug/kg	33.33333
17 September 1992	A12IQ15	ND	3.3	ug/kg	33.33333



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : PCB-1016, cont.					
Type of Blank : Method Blank					
18 September 1992	A12IQ54	ND	3.3	ug/kg	33.33333
18 September 1992	A12IQ54	ND	3.3	ug/kg	33.3333
25 September 1992	A12IY14	ND	3.3	ug/kg	33.33333
26 September 1992	G42IZ14	ND	3.3	ug/kg	33.33333
8 October 1992	K62JG29	ND	3.3	ug/kg	33.33333
8 October 1992	L62JG29	ND	3.3	ug/kg	33.33333
13 October 1992	K62JL32	ND	3.3	ug/kg	33.33333
13 October 1992	P82JM14	ND	3.3	ug/kg	33.33333
14 October 1992	A12JN7	ND	3.3	ug/kg	33.33333

Total Number of Blanks = 15

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW8080					
Analyte : PCB-1221					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	0.02	mg/kg	100
25 August 1992	O82HX48	ND	0.0067	mg/kg	33.33333
31 August 1992	O82H36	ND	0.0067	mg/kg	33.33333
4 September 1992	A12IB97	ND	0.0067	mg/kg	33.33333
4 September 1992	A12IB77	ND	0.0067	mg/kg	33.33333
17 September 1992	A12IQ15	ND	0.0067	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.0067	mg/kg	33.3333
18 September 1992	A12IQ54	ND	0.0067	mg/kg	33.33333
25 September 1992	A12IY14	ND	0.0067	mg/kg	33.33333
26 September 1992	G42IZ14	ND	0.0067	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.0067	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.0067	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.0067	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.0067	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.0067	mg/kg	33.33333

Total Number of Blanks = 15

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.02

Method : SW8080					
Analyte : PCB-1221					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	20	ug/kg	100
25 August 1992	O82HX48	ND	6.7	ug/kg	33.33333
31 August 1992	O82H36	ND	6.7	ug/kg	33.33333
4 September 1992	A12IB77	ND	6.7	ug/kg	33.33333
4 September 1992	A12IB97	ND	6.7	ug/kg	33.33333
17 September 1992	A12IQ15	ND	6.7	ug/kg	33.33333
18 September 1992	A12IQ54	ND	6.7	ug/kg	33.3333
18 September 1992	A12IQ54	ND	6.7	ug/kg	33.33333

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8080					
Analyte : PCB-1221, cont.					
Type of Blank : Method Blank					
25 September 1992	A121Y14	ND	6.7	ug/kg	33.33333
26 September 1992	G421Z14	ND	6.7	ug/kg	33.33333
8 October 1992	L62JG29	ND	6.7	ug/kg	33.33333
8 October 1992	K62JG29	ND	6.7	ug/kg	33.33333
13 October 1992	P82JM14	ND	6.7	ug/kg	33.33333
13 October 1992	K62JL32	ND	6.7	ug/kg	33.33333
14 October 1992	A12JN7	ND	6.7	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 20

Method : SW8080					
Analyte : PCB-1232					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	0.02	mg/kg	100
25 August 1992	O82HX48	ND	0.0067	mg/kg	33.33333
31 August 1992	O82H36	ND	0.0067	mg/kg	33.33333
4 September 1992	A121B77	ND	0.0067	mg/kg	33.33333
4 September 1992	A121B97	ND	0.0067	mg/kg	33.33333
17 September 1992	A121Q15	ND	0.0067	mg/kg	33.33333
18 September 1992	A121Q54	ND	0.0067	mg/kg	33.33333
18 September 1992	A121Q54	ND	0.0067	mg/kg	33.33333
25 September 1992	A121Y14	ND	0.0067	mg/kg	33.33333
26 September 1992	G421Z14	ND	0.0067	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.0067	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.0067	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.0067	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.0067	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.0067	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.02

Method : SW8080					
Analyte : PCB-1232					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	20	ug/kg	100
25 August 1992	O82HX48	ND	6.7	ug/kg	33.33333
31 August 1992	O82H36	ND	6.7	ug/kg	33.33333
4 September 1992	A121B77	ND	6.7	ug/kg	33.33333
4 September 1992	A121B97	ND	6.7	ug/kg	33.33333
17 September 1992	A121Q15	ND	6.7	ug/kg	33.33333
18 September 1992	A121Q54	ND	6.7	ug/kg	33.33333
18 September 1992	A121Q54	ND	6.7	ug/kg	33.33333
25 September 1992	A121Y14	ND	6.7	ug/kg	33.33333
26 September 1992	G421Z14	ND	6.7	ug/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : PCB-1232, cont.					
Type of Blank : Method Blank					
8 October 1992	L62JG29	ND	6.7	ug/kg	33.33333
8 October 1992	K62JG29	ND	6.7	ug/kg	33.33333
13 October 1992	P82JM14	ND	6.7	ug/kg	33.33333
13 October 1992	K62JL32	ND	6.7	ug/kg	33.33333
14 October 1992	A12JN7	ND	6.7	ug/kg	33.33333

Total Number of Blanks = 15

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 20

Method : SW8080					
Analyte : PCB-1242					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	0.01	mg/kg	100
25 August 1992	O82HX48	ND	0.0033	mg/kg	33.33333
31 August 1992	O82H36	ND	0.0033	mg/kg	33.33333
4 September 1992	A12IB97	ND	0.0033	mg/kg	33.33333
4 September 1992	A12IB77	ND	0.0033	mg/kg	33.33333
17 September 1992	A12IQ15	ND	0.0033	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.0033	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.0033	mg/kg	33.33333
25 September 1992	A12IY14	ND	0.0033	mg/kg	33.33333
26 September 1992	G42IZ14	ND	0.0033	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.0033	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.0033	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.0033	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.0033	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.0033	mg/kg	33.33333

Total Number of Blanks = 15

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.01

Method : SW8080					
Analyte : PCB-1242					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	10	ug/kg	100
25 August 1992	O82HX48	ND	3.3	ug/kg	33.33333
31 August 1992	O82H36	ND	3.3	ug/kg	33.33333
4 September 1992	A12IB77	ND	3.3	ug/kg	33.33333
4 September 1992	A12IB97	ND	3.3	ug/kg	33.33333
17 September 1992	A12IQ15	ND	3.3	ug/kg	33.33333
18 September 1992	A12IQ54	ND	3.3	ug/kg	33.33333
18 September 1992	A12IQ54	ND	3.3	ug/kg	33.33333
25 September 1992	A12IY14	ND	3.3	ug/kg	33.33333
26 September 1992	G42IZ14	ND	3.3	ug/kg	33.33333
8 October 1992	K62JG29	ND	3.3	ug/kg	33.33333
8 October 1992	L62JG29	ND	3.3	ug/kg	33.33333

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : PCB-1242, cont.					
Type of Blank : Method Blank					
13 October 1992	K62JL32	ND	3.3	ug/kg	33.33333
13 October 1992	P82JM14	ND	3.3	ug/kg	33.33333
14 October 1992	A12JN7	ND	3.3	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8080					
Analyte : PCB-1248					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	0.01	mg/kg	100
25 August 1992	O82HX48	ND	0.0033	mg/kg	33.33333
31 August 1992	O82H36	ND	0.0033	mg/kg	33.33333
4 September 1992	A121B77	ND	0.0033	mg/kg	33.33333
4 September 1992	A121B97	ND	0.0033	mg/kg	33.33333
17 September 1992	A121Q15	ND	0.0033	mg/kg	33.33333
18 September 1992	A121Q54	ND	0.0033	mg/kg	33.3333
18 September 1992	A121Q54	ND	0.0033	mg/kg	33.33333
25 September 1992	A121Y14	ND	0.0033	mg/kg	33.3333
26 September 1992	G421Z14	ND	0.0033	mg/kg	33.3333
8 October 1992	K62JG29	ND	0.0033	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.0033	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.0033	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.0033	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.0033	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.01

Method : SW8080					
Analyte : PCB-1248					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	10	ug/kg	100
25 August 1992	O82HX48	ND	3.3	ug/kg	33.33333
31 August 1992	O82H36	ND	3.3	ug/kg	33.33333
4 September 1992	A121B77	ND	3.3	ug/kg	33.33333
4 September 1992	A121B97	ND	3.3	ug/kg	33.33333
17 September 1992	A121Q15	ND	3.3	ug/kg	33.33333
18 September 1992	A121Q54	ND	3.3	ug/kg	33.3333
18 September 1992	A121Q54	ND	3.3	ug/kg	33.33333
25 September 1992	A121Y14	ND	3.3	ug/kg	33.33333
26 September 1992	G421Z14	ND	3.3	ug/kg	33.33333
8 October 1992	K62JG29	ND	3.3	ug/kg	33.33333
8 October 1992	L62JG29	ND	3.3	ug/kg	33.3333
13 October 1992	P82JM14	ND	3.3	ug/kg	33.33333
13 October 1992	K62JL32	ND	3.3	ug/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : PCB-1248, cont.					
Type of Blank : Method Blank					
14 October 1992	A12JN7	ND	3.3	ug/kg	33.33333

Total Number of Blanks = 15  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 10

Method : SW8080					
Analyte : PCB-1254					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	0.02	mg/kg	100
25 August 1992	O82HX48	ND	0.0067	mg/kg	33.33333
31 August 1992	O82H36	ND	0.0067	mg/kg	33.33333
4 September 1992	A12IB77	ND	0.0067	mg/kg	33.33333
4 September 1992	A12IB97	ND	0.0067	mg/kg	33.33333
17 September 1992	A12IQ15	ND	0.0067	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.0067	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.0067	mg/kg	33.33333
25 September 1992	A12IY14	ND	0.0067	mg/kg	33.33333
26 September 1992	G42IZ14	ND	0.0067	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.0067	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.0067	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.0067	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.0067	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.0067	mg/kg	33.33333

Total Number of Blanks = 15  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 0.02

Method : SW8080					
Analyte : PCB-1254					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	20	ug/kg	100
25 August 1992	O82HX48	ND	6.7	ug/kg	33.33333
31 August 1992	O82H36	ND	6.7	ug/kg	33.33333
4 September 1992	A12IB97	ND	6.7	ug/kg	33.33333
4 September 1992	A12IB77	ND	6.7	ug/kg	33.33333
17 September 1992	A12IQ15	ND	6.7	ug/kg	33.33333
18 September 1992	A12IQ54	ND	6.7	ug/kg	33.33333
18 September 1992	A12IQ54	ND	6.7	ug/kg	33.33333
25 September 1992	A12IY14	ND	6.7	ug/kg	33.33333
26 September 1992	G42IZ14	ND	6.7	ug/kg	33.33333
8 October 1992	L62JG29	ND	6.7	ug/kg	33.33333
8 October 1992	K62JG29	ND	6.7	ug/kg	33.33333
13 October 1992	K62JL32	ND	6.7	ug/kg	33.33333
13 October 1992	P82JM14	ND	6.7	ug/kg	33.33333
14 October 1992	A12JN7	ND	6.7	ug/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : PCB-1254, cont.					
Type of Blank : Method Blank					
Total Number of Blanks = 15			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 20		
Method : SW8080					
Analyte : PCB-1260					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	0.02	mg/kg	100
25 August 1992	O82HX48	ND	0.0067	mg/kg	33.33333
31 August 1992	O82H36	ND	0.0067	mg/kg	33.33333
4 September 1992	A121B77	ND	0.0067	mg/kg	33.33333
4 September 1992	A121B97	ND	0.0067	mg/kg	33.33333
17 September 1992	A121Q15	ND	0.0067	mg/kg	33.33333
18 September 1992	A121Q54	ND	0.0067	mg/kg	33.3333
18 September 1992	A121Q54	ND	0.0067	mg/kg	33.33333
25 September 1992	A121Y14	ND	0.0067	mg/kg	33.33333
26 September 1992	G421Z14	ND	0.0067	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.0067	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.0067	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.0067	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.0067	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.0067	mg/kg	33.33333
Total Number of Blanks = 15			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.02		
Method : SW8080					
Analyte : PCB-1260					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	20	ug/kg	100
25 August 1992	O82HX48	ND	6.7	ug/kg	33.33333
31 August 1992	O82H36	ND	6.7	ug/kg	33.33333
4 September 1992	A121B77	ND	6.7	ug/kg	33.33333
4 September 1992	A121B97	ND	6.7	ug/kg	33.33333
17 September 1992	A121Q15	ND	6.7	ug/kg	33.33333
18 September 1992	A121Q54	ND	6.7	ug/kg	33.33333
18 September 1992	A121Q54	ND	6.7	ug/kg	33.3333
25 September 1992	A121Y14	ND	6.7	ug/kg	33.33333
26 September 1992	G421Z14	ND	6.7	ug/kg	33.33333
8 October 1992	K62JG29	ND	6.7	ug/kg	33.33333
8 October 1992	L62JG29	ND	6.7	ug/kg	33.33333
13 October 1992	P82JM14	ND	6.7	ug/kg	33.33333
13 October 1992	K62JL32	ND	6.7	ug/kg	33.33333
14 October 1992	A12JN7	ND	6.7	ug/kg	33.33333
Total Number of Blanks = 15			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 20		

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : PCB-1260, cont.					
Type of Blank : Method Blank					
Method : SW8080					
Analyte : Toxaphene					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	0.05	mg/kg	100
25 August 1992	O82HX48	ND	0.017	mg/kg	33.33333
31 August 1992	O82H36	ND	0.017	mg/kg	33.33333
4 September 1992	A121B77	ND	0.017	mg/kg	33.33333
4 September 1992	A121B97	ND	0.017	mg/kg	33.33333
17 September 1992	A121Q15	ND	0.017	mg/kg	33.33333
18 September 1992	A121Q54	ND	0.017	mg/kg	33.33333
18 September 1992	A121Q54	ND	0.017	mg/kg	33.33333
25 September 1992	A121Y14	ND	0.017	mg/kg	33.33333
26 September 1992	G421Z14	ND	0.017	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.017	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.017	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.017	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.017	mg/kg	33.33333
14 October 1992	A12JN7	ND	0.017	mg/kg	33.33333

Total Number of Blanks = 15

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.05

Method : SW8080					
Analyte : Toxaphene					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	50	ug/kg	100
25 August 1992	O82HX48	ND	17	ug/kg	33.33333
31 August 1992	O82H36	ND	17	ug/kg	33.33333
4 September 1992	A121B77	ND	17	ug/kg	33.33333
4 September 1992	A121B97	ND	17	ug/kg	33.33333
17 September 1992	A121Q15	ND	17	ug/kg	33.33333
18 September 1992	A121Q54	ND	17	ug/kg	33.33333
18 September 1992	A121Q54	ND	17	ug/kg	33.33333
25 September 1992	A121Y14	ND	17	ug/kg	33.33333
26 September 1992	G421Z14	ND	17	ug/kg	33.33333
8 October 1992	L62JG29	ND	17	ug/kg	33.33333
8 October 1992	K62JG29	ND	17	ug/kg	33.33333
13 October 1992	P82JM14	ND	17	ug/kg	33.33333
13 October 1992	K62JL32	ND	17	ug/kg	33.33333
14 October 1992	A12JN7	ND	17	ug/kg	33.33333

Total Number of Blanks = 15

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 50

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : alpha-BHC					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	0.001	mg/kg	100
25 August 1992	082HX48	ND	0.00033	mg/kg	33.33333
31 August 1992	082H36	ND	0.00033	mg/kg	33.33333
4 September 1992	A121B77	0.00047	0.00033	mg/kg	33.33333
4 September 1992	A121B97	0.00046	0.00033	mg/kg	33.33333
17 September 1992	A121Q15	ND	0.00033	mg/kg	33.33333
18 September 1992	A121Q54	ND	0.00033	mg/kg	33.33333
18 September 1992	A121Q54	ND	0.00033	mg/kg	33.33333
25 September 1992	A121Y14	ND	0.00033	mg/kg	33.33333
26 September 1992	G421Z14	ND	0.00033	mg/kg	33.33333
8 October 1992	K62JG29	0.00044	0.00033	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.00033	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.00033	mg/kg	33.33333
13 October 1992	K62JL32	ND	0.00033	mg/kg	33.33333
14 October 1992	A12JN7	0.00085	0.00033	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.00044 - 0.00085

Total Number above Reporting Limit = 4

Maximum Reporting Limit = 0.001

Method : SW8080					
Analyte : alpha-BHC					
Type of Blank : Method Blank					
24 August 1992	082HX14	ND	1	ug/kg	100
25 August 1992	082HX48	ND	0.33	ug/kg	33.33333
31 August 1992	082H36	ND	0.33	ug/kg	33.33333
4 September 1992	A121B97	0.46	0.33	ug/kg	33.33333
4 September 1992	A121B77	0.47	0.33	ug/kg	33.33333
17 September 1992	A121Q15	ND	0.33	ug/kg	33.33333
18 September 1992	A121Q54	ND	0.33	ug/kg	33.33333
18 September 1992	A121Q54	ND	0.33	ug/kg	33.33333
25 September 1992	A121Y14	ND	0.33	ug/kg	33.33333
26 September 1992	G421Z14	ND	0.33	ug/kg	33.33333
8 October 1992	K62JG29	0.44	0.33	ug/kg	33.33333
8 October 1992	L62JG29	ND	0.33	ug/kg	33.33333
13 October 1992	K62JL32	ND	0.33	ug/kg	33.33333
13 October 1992	P82JM14	ND	0.33	ug/kg	33.33333
14 October 1992	A12JN7	0.85	0.33	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.44 - 0.85

Total Number above Reporting Limit = 4

Maximum Reporting Limit = 1

Method : SW8080					
Analyte : beta-BHC					
Type of Blank : Method Blank					
24 August 1992	082HX14	0.0006	0.001	mg/kg	100
25 August 1992	082HX48	0.00003	0.00033	mg/kg	33.33333
31 August 1992	082H36	ND	0.00033	mg/kg	33.33333



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : beta-BHC, cont.					
Type of Blank : Method Blank					
4 September 1992	A12IB97	ND	0.00033	mg/kg	33.33333
4 September 1992	A12IB77	ND	0.00033	mg/kg	33.33333
17 September 1992	A12IQ15	ND	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	ND	0.00033	mg/kg	33.33333
25 September 1992	A12IY14	ND	0.00033	mg/kg	33.33333
26 September 1992	G42IZ14	0.0011	0.00033	mg/kg	33.33333
8 October 1992	K62JG29	0.00088	0.00033	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.00033	mg/kg	33.33333
13 October 1992	K62JL32	0.00089	0.00033	mg/kg	33.33333
13 October 1992	P82JM14	0.00081	0.00033	mg/kg	33.33333
14 October 1992	A12JN7	0.000052	0.00033	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.00081 - 0.0011

Total Number above Reporting Limit = 4

Maximum Reporting Limit = 0.00033

Method : SW8080					
Analyte : beta-BHC					
Type of Blank : Method Blank					
24 August 1992	O82HX14	0.6	1	ug/kg	100
25 August 1992	O82HX48	0.03	0.33	ug/kg	33.33333
31 August 1992	O82H36	ND	0.33	ug/kg	33.33333
4 September 1992	A12IB77	ND	0.33	ug/kg	33.33333
4 September 1992	A12IB97	ND	0.33	ug/kg	33.33333
17 September 1992	A12IQ15	ND	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	ND	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	ND	0.33	ug/kg	33.33333
25 September 1992	A12IY14	ND	0.33	ug/kg	33.33333
26 September 1992	G42IZ14	1.1	0.33	ug/kg	33.33333
8 October 1992	K62JG29	0.88	0.33	ug/kg	33.33333
8 October 1992	L62JG29	ND	0.33	ug/kg	33.33333
13 October 1992	K62JL32	0.89	0.33	ug/kg	33.33333
13 October 1992	P82JM14	0.81	0.33	ug/kg	33.33333
14 October 1992	A12JN7	0.052	0.33	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.81 - 1.1

Total Number above Reporting Limit = 4

Maximum Reporting Limit = 0.33

Method : SW8080					
Analyte : delta-BHC					
Type of Blank : Method Blank					
24 August 1992	O82HX14	0.0027	0.001	mg/kg	100
25 August 1992	O82HX48	ND	0.00033	mg/kg	33.33333
31 August 1992	O82H36	ND	0.00033	mg/kg	33.33333
4 September 1992	A12IB97	0.0014	0.00033	mg/kg	33.33333
4 September 1992	A12IB77	0.0006	0.00033	mg/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : delta-BHC, cont.					
Type of Blank : Method Blank					
17 September 1992	A12IQ15	0.00062	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	0.00064	0.00033	mg/kg	33.3333
18 September 1992	A12IQ54	0.00064	0.00033	mg/kg	33.33333
25 September 1992	A12IY14	0.00089	0.00033	mg/kg	33.33333
26 September 1992	G42IZ14	0.00028	0.00033	mg/kg	33.33333
8 October 1992	L62JG29	ND	0.00033	mg/kg	33.33333
8 October 1992	K62JG29	ND	0.00033	mg/kg	33.33333
13 October 1992	P82JM14	ND	0.00033	mg/kg	33.33333
13 October 1992	K62JL32	0.0011	0.00033	mg/kg	33.33333
14 October 1992	A12JN7	0.00047	0.00033	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.00047 - 0.0027

Total Number above Reporting Limit = 9

Maximum Reporting Limit = 0.00033

Method : SW8080					
Analyte : delta-BHC					
Type of Blank : Method Blank					
24 August 1992	O82HX14	2.7	1	ug/kg	100
25 August 1992	O82HX48	ND	0.33	ug/kg	33.33333
31 August 1992	O82H36	ND	0.33	ug/kg	33.33333
4 September 1992	A12IB77	0.6	0.33	ug/kg	33.33333
4 September 1992	A12IB97	1.4	0.33	ug/kg	33.33333
17 September 1992	A12IQ15	0.62	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	0.64	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	0.64	0.33	ug/kg	33.3333
25 September 1992	A12IY14	0.89	0.33	ug/kg	33.33333
26 September 1992	G42IZ14	0.28	0.33	ug/kg	33.33333
8 October 1992	K62JG29	ND	0.33	ug/kg	33.33333
8 October 1992	L62JG29	ND	0.33	ug/kg	33.33333
13 October 1992	K62JL32	1.1	0.33	ug/kg	33.33333
13 October 1992	P82JM14	ND	0.33	ug/kg	33.33333
14 October 1992	A12JN7	0.47	0.33	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.47 - 2.7

Total Number above Reporting Limit = 9

Maximum Reporting Limit = 0.33

Method : SW8080					
Analyte : gamma-BHC					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	0.001	mg/kg	100
25 August 1992	O82HX48	ND	0.00033	mg/kg	33.33333
31 August 1992	O82H36	ND	0.00033	mg/kg	33.33333
4 September 1992	A12IB77	0.00061	0.00033	mg/kg	33.33333
4 September 1992	A12IB97	0.00084	0.00033	mg/kg	33.3333
17 September 1992	A12IQ15	0.00091	0.00033	mg/kg	33.33333
18 September 1992	A12IQ54	0.0009	0.00033	mg/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : gamma-BHC, cont.					
Type of Blank : Method Blank					
18 September 1992	A12IQ54	0.0009	0.00033	mg/kg	33.3333
25 September 1992	A12IY14	0.00068	0.00033	mg/kg	33.33333
26 September 1992	G42IZ14	0.00038	0.00033	mg/kg	33.33333
8 October 1992	K62JG29	0.00078	0.00033	mg/kg	33.33333
8 October 1992	L62JG29	0.00095	0.00033	mg/kg	33.33333
13 October 1992	P82JM14	0.00037	0.00033	mg/kg	33.33333
13 October 1992	K62JL32	0.00036	0.00033	mg/kg	33.33333
14 October 1992	A12JN7	0.0011	0.00033	mg/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.00036 - 0.0011

Total Number above Reporting Limit = 12

Maximum Reporting Limit = 0.001

Method : SW8080					
Analyte : gamma-BHC					
Type of Blank : Method Blank					
24 August 1992	O82HX14	ND	1	ug/kg	100
25 August 1992	O82HX48	ND	0.33	ug/kg	33.33333
31 August 1992	O82H36	ND	0.33	ug/kg	33.33333
4 September 1992	A12IB97	0.84	0.33	ug/kg	33.33333
4 September 1992	A12IB77	0.61	0.33	ug/kg	33.33333
17 September 1992	A12IQ15	0.91	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	0.9	0.33	ug/kg	33.33333
18 September 1992	A12IQ54	0.9	0.33	ug/kg	33.3333
25 September 1992	A12IY14	0.68	0.33	ug/kg	33.33333
26 September 1992	G42IZ14	0.38	0.33	ug/kg	33.33333
8 October 1992	K62JG29	0.78	0.33	ug/kg	33.33333
8 October 1992	L62JG29	0.95	0.33	ug/kg	33.33333
13 October 1992	P82JM14	0.37	0.33	ug/kg	33.33333
13 October 1992	K62JL32	0.36	0.33	ug/kg	33.33333
14 October 1992	A12JN7	1.1	0.33	ug/kg	33.33333

Total Number of Blanks = 15

Concentration Range 0.36 - 1.1

Total Number above Reporting Limit = 12

Maximum Reporting Limit = 1

Method : SW8240					
Analyte : 1,1,1-Trichloroethane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
26 July 1992	A40500	ND	0.1	mg/kg	20
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : 1,1,1-Trichloroethane, cont.					
Type of Blank : Method Blank					
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240  
 Analyte : 1,1,1-Trichloroethane  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
26 July 1992	A40500	ND	100	ug/kg	20
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : 1,1,1-Trichloroethane, cont.					
Type of Blank : Method Blank					
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240

Analyte : 1,1,2,2-Tetrachloroethane

Type of Blank : Method Blank

15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : 1,1,2,2-Tetrachloroethane, cont.					
Type of Blank : Method Blank					
13 August 1992	A40690	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240					
Analyte : 1,1,2,2-Tetrachloroethane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : 1,1,2,2-Tetrachloroethane, cont.					
Type of Blank : Method Blank					
14 August 1992	A33429	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 100

Method : SW8240  
 Analyte : 1,1,2-Trichloroethane  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
26 July 1992	A40500	ND	0.1	mg/kg	20
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240					
Analyte : 1,1,2-Trichloroethane, cont.					
Type of Blank : Method Blank					
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240					
Analyte : 1,1,2-Trichloroethane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
26 July 1992	A40500	ND	100	ug/kg	20
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : 1,1,2-Trichloroethane, cont.					
Type of Blank : Method Blank					
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240  
 Analyte : 1,1-Dichloroethane  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240					
Analyte : 1,1-Dichloroethane, cont.					
Type of Blank : Method Blank					
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240					
Analyte : 1,1-Dichloroethane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
26 July 1992	A40500	ND	100	ug/kg	20
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : 1,1-Dichloroethane, cont.					
Type of Blank : Method Blank					
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240					
Analyte : 1,1-Dichloroethene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240					
Analyte : 1,1-Dichloroethene, cont.					
Type of Blank : Method Blank					
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240					
Analyte : 1,1-Dichloroethene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
26 July 1992	A40500	ND	100	ug/kg	20
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : 1,1-Dichloroethene, cont.					
Type of Blank : Method Blank					
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240					
Analyte : 1,2-Dichloroethane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
26 July 1992	A40500	ND	0.1	mg/kg	20
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240 Analyte : 1,2-Dichloroethane, cont. Type of Blank : Method Blank Total Number above Reporting Limit = 0      Maximum Reporting Limit = 0.1					
Method : SW8240 Analyte : 1,2-Dichloroethane Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240					
Analyte : 1,2-Dichloropropane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
26 July 1992	A40500	ND	0.1	mg/kg	20
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240

Analyte : 1,2-Dichloropropane

Type of Blank : Method Blank

15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240					
Analyte : 1,2-Dichloropropane, cont.					
Type of Blank : Method Blank					
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240

Analyte : 2-Chloroethyl vinyl ether

Type of Blank : Method Blank

15 July 1992	A32920	ND	0.01	mg/kg	1
21 July 1992	A32998	ND	0.01	mg/kg	1
22 July 1992	A40431	ND	0.01	mg/kg	1
25 July 1992	A40481	ND	0.2	mg/kg	20
26 July 1992	A40500	ND	0.2	mg/kg	20
26 July 1992	A62592	ND	0.01	mg/kg	1
29 July 1992	A62674	ND	0.01	mg/kg	1



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : 2-Chloroethyl vinyl ether, cont.					
Type of Blank : Method Blank					
30 July 1992	A62701	ND	0.01	mg/kg	1
31 July 1992	A40582	ND	0.2	mg/kg	20
4 August 1992	A75788	ND	0.2	mg/kg	20
5 August 1992	A33234	ND	0.01	mg/kg	1
6 August 1992	A33263	ND	0.01	mg/kg	1
7 August 1992	A62864	ND	0.01	mg/kg	1
11 August 1992	A33346	ND	0.01	mg/kg	1
12 August 1992	A33375	ND	0.01	mg/kg	1
13 August 1992	A33402	ND	0.01	mg/kg	1
13 August 1992	A40690	ND	0.01	mg/kg	1
14 August 1992	A33429	ND	0.01	mg/kg	1
14 August 1992	A40712	ND	0.01	mg/kg	1
17 August 1992	A33457	ND	0.01	mg/kg	1
18 August 1992	A33485	ND	0.01	mg/kg	1
19 August 1992	A75846	ND	0.2	mg/kg	20
20 August 1992	A33528	ND	0.01	mg/kg	1
20 August 1992	A62932	ND	0.01	mg/kg	1
21 August 1992	A62950	ND	0.01	mg/kg	1
21 August 1992	A33559	ND	0.01	mg/kg	1
24 August 1992	A62977	ND	0.01	mg/kg	1
27 August 1992	A33670	ND	0.01	mg/kg	1
31 August 1992	A33696	ND	0.01	mg/kg	1
3 September 1992	A33776	ND	0.01	mg/kg	1
4 September 1992	A33794	ND	0.01	mg/kg	1
9 September 1992	A33812	ND	0.01	mg/kg	1
11 September 1992	A33867	ND	0.01	mg/kg	1
14 September 1992	A76058	ND	0.2	mg/kg	20
15 September 1992	A33919	ND	0.01	mg/kg	1
16 September 1992	A33947	ND	0.01	mg/kg	1
12 October 1992	A41087	ND	0.01	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

Method : SW8240

Analyte : 2-Chloroethyl vinyl ether

Type of Blank : Method Blank

15 July 1992	A32920	ND	10	ug/kg	1
21 July 1992	A32998	ND	10	ug/kg	1
22 July 1992	A40431	ND	10	ug/kg	1
25 July 1992	A40481	ND	200	ug/kg	20
26 July 1992	A62592	ND	10	ug/kg	1
26 July 1992	A40500	ND	200	ug/kg	20
29 July 1992	A62674	ND	10	ug/kg	1
30 July 1992	A62701	ND	10	ug/kg	1
31 July 1992	A40582	ND	200	ug/kg	20
4 August 1992	A75788	ND	200	ug/kg	20

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240					
Analyte : 2-Chloroethyl vinyl ether, cont.					
Type of Blank : Method Blank					
5 August 1992	A33234	ND	10	ug/kg	1
6 August 1992	A33263	ND	10	ug/kg	1
7 August 1992	A62864	ND	10	ug/kg	1
11 August 1992	A33346	ND	10	ug/kg	1
12 August 1992	A33375	ND	10	ug/kg	1
13 August 1992	A33402	ND	10	ug/kg	1
13 August 1992	A40690	ND	10	ug/kg	1
14 August 1992	A40712	ND	10	ug/kg	1
14 August 1992	A33429	ND	10	ug/kg	1
17 August 1992	A33457	ND	10	ug/kg	1
18 August 1992	A33485	ND	10	ug/kg	1
19 August 1992	A75846	ND	200	ug/kg	20
20 August 1992	A33528	ND	10	ug/kg	1
20 August 1992	A62932	ND	10	ug/kg	1
21 August 1992	A33559	ND	10	ug/kg	1
21 August 1992	A62950	ND	10	ug/kg	1
24 August 1992	A62977	ND	10	ug/kg	1
27 August 1992	A33670	ND	10	ug/kg	1
31 August 1992	A33696	ND	10	ug/kg	1
3 September 1992	A33776	ND	10	ug/kg	1
4 September 1992	A33794	ND	10	ug/kg	1
9 September 1992	A33812	ND	10	ug/kg	1
11 September 1992	A33867	ND	10	ug/kg	1
14 September 1992	A76058	ND	200	ug/kg	20
15 September 1992	A33919	ND	10	ug/kg	1
16 September 1992	A33947	ND	10	ug/kg	1
12 October 1992	A41087	ND	10	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 200

Method : SW8240  
 Analyte : 2-Hexanone  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	0.05	mg/kg	1
21 July 1992	A32998	ND	0.05	mg/kg	1
22 July 1992	A40431	ND	0.05	mg/kg	1
25 July 1992	A40481	ND	1	mg/kg	20
26 July 1992	A40500	ND	1	mg/kg	20
26 July 1992	A62592	ND	0.05	mg/kg	1
29 July 1992	A62674	ND	0.05	mg/kg	1
30 July 1992	A62701	ND	0.05	mg/kg	1
31 July 1992	A40582	ND	1	mg/kg	20
4 August 1992	A75788	ND	1	mg/kg	20
5 August 1992	A33234	ND	0.05	mg/kg	1
6 August 1992	A33263	ND	0.05	mg/kg	1
7 August 1992	A62864	ND	0.05	mg/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : 2-Hexanone, cont.					
Type of Blank : Method Blank					
11 August 1992	A33346	ND	0.05	mg/kg	1
12 August 1992	A33375	ND	0.05	mg/kg	1
13 August 1992	A33402	ND	0.05	mg/kg	1
13 August 1992	A40690	ND	0.05	mg/kg	1
14 August 1992	A33429	ND	0.05	mg/kg	1
14 August 1992	A40712	ND	0.05	mg/kg	1
17 August 1992	A33457	ND	0.05	mg/kg	1
18 August 1992	A33485	ND	0.05	mg/kg	1
19 August 1992	A75846	ND	1	mg/kg	20
20 August 1992	A33528	ND	0.05	mg/kg	1
20 August 1992	A62932	0.0035	0.05	mg/kg	1
21 August 1992	A62950	ND	0.05	mg/kg	1
21 August 1992	A33559	ND	0.05	mg/kg	1
24 August 1992	A62977	ND	0.05	mg/kg	1
27 August 1992	A33670	ND	0.05	mg/kg	1
31 August 1992	A33696	ND	0.05	mg/kg	1
3 September 1992	A33776	ND	0.05	mg/kg	1
4 September 1992	A33794	ND	0.05	mg/kg	1
9 September 1992	A33812	ND	0.05	mg/kg	1
11 September 1992	A33867	ND	0.05	mg/kg	1
14 September 1992	A76058	ND	1	mg/kg	20
15 September 1992	A33919	ND	0.05	mg/kg	1
16 September 1992	A33947	ND	0.05	mg/kg	1
12 October 1992	A41087	ND	0.05	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1

Method : SW8240  
 Analyte : 2-Hexanone  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	50	ug/kg	1
21 July 1992	A32998	ND	50	ug/kg	1
22 July 1992	A40431	ND	50	ug/kg	1
25 July 1992	A40481	ND	1000	ug/kg	20
26 July 1992	A40500	ND	1000	ug/kg	20
26 July 1992	A62592	ND	50	ug/kg	1
29 July 1992	A62674	ND	50	ug/kg	1
30 July 1992	A62701	ND	50	ug/kg	1
31 July 1992	A40582	ND	1000	ug/kg	20
4 August 1992	A75788	ND	1000	ug/kg	20
5 August 1992	A33234	ND	50	ug/kg	1
6 August 1992	A33263	ND	50	ug/kg	1
7 August 1992	A62864	ND	50	ug/kg	1
11 August 1992	A33346	ND	50	ug/kg	1
12 August 1992	A33375	ND	50	ug/kg	1
13 August 1992	A33402	ND	50	ug/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240					
Analyte : 2-Hexanone, cont.					
Type of Blank : Method Blank					
13 August 1992	A40690	ND	50	ug/kg	1
14 August 1992	A40712	ND	50	ug/kg	1
14 August 1992	A33429	ND	50	ug/kg	1
17 August 1992	A33457	ND	50	ug/kg	1
18 August 1992	A33485	ND	50	ug/kg	1
19 August 1992	A75846	ND	1000	ug/kg	20
20 August 1992	A33528	ND	50	ug/kg	1
20 August 1992	A62932	3.5	50	ug/kg	1
21 August 1992	A62950	ND	50	ug/kg	1
21 August 1992	A33559	ND	50	ug/kg	1
24 August 1992	A62977	ND	50	ug/kg	1
27 August 1992	A33670	ND	50	ug/kg	1
31 August 1992	A33696	ND	50	ug/kg	1
3 September 1992	A33776	ND	50	ug/kg	1
4 September 1992	A33794	ND	50	ug/kg	1
9 September 1992	A33812	ND	50	ug/kg	1
11 September 1992	A33867	ND	50	ug/kg	1
14 September 1992	A76058	ND	1000	ug/kg	20
15 September 1992	A33919	ND	50	ug/kg	1
16 September 1992	A33947	ND	50	ug/kg	1
12 October 1992	A41087	ND	50	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1000

Method : SW8240  
 Analyte : 4-Methyl-2-pentanone(MIBK)  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	0.05	mg/kg	1
21 July 1992	A32998	ND	0.05	mg/kg	1
22 July 1992	A40431	ND	0.05	mg/kg	1
25 July 1992	A40481	ND	1	mg/kg	20
26 July 1992	A62592	ND	0.05	mg/kg	1
26 July 1992	A40500	ND	1	mg/kg	20
29 July 1992	A62674	ND	0.05	mg/kg	1
30 July 1992	A62701	ND	0.05	mg/kg	1
31 July 1992	A40582	ND	1	mg/kg	20
4 August 1992	A75788	ND	1	mg/kg	20
5 August 1992	A33234	ND	0.05	mg/kg	1
6 August 1992	A33263	ND	0.05	mg/kg	1
7 August 1992	A62864	ND	0.05	mg/kg	1
11 August 1992	A33346	ND	0.05	mg/kg	1
12 August 1992	A33375	ND	0.05	mg/kg	1
13 August 1992	A33402	ND	0.05	mg/kg	1
13 August 1992	A40690	ND	0.05	mg/kg	1
14 August 1992	A33429	ND	0.05	mg/kg	1
14 August 1992	A40712	ND	0.05	mg/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8240					
Analyte : 4-Methyl-2-pentanone(MIBK), cont.					
Type of Blank : Method Blank					
17 August 1992	A33457	ND	0.05	mg/kg	1
18 August 1992	A33485	ND	0.05	mg/kg	1
19 August 1992	A75846	ND	1	mg/kg	20
20 August 1992	A33528	ND	0.05	mg/kg	1
20 August 1992	A62932	0.0026	0.05	mg/kg	1
21 August 1992	A62950	ND	0.05	mg/kg	1
21 August 1992	A33559	ND	0.05	mg/kg	1
24 August 1992	A62977	ND	0.05	mg/kg	1
27 August 1992	A33670	ND	0.05	mg/kg	1
31 August 1992	A33696	ND	0.05	mg/kg	1
3 September 1992	A33776	ND	0.05	mg/kg	1
4 September 1992	A33794	ND	0.05	mg/kg	1
9 September 1992	A33812	ND	0.05	mg/kg	1
11 September 1992	A33867	ND	0.05	mg/kg	1
14 September 1992	A76058	ND	1	mg/kg	20
15 September 1992	A33919	ND	0.05	mg/kg	1
16 September 1992	A33947	ND	0.05	mg/kg	1
12 October 1992	A41087	ND	0.05	mg/kg	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 1

Method : SW8240					
Analyte : 4-Methyl-2-pentanone(MIBK)					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	50	ug/kg	1
21 July 1992	A32998	ND	50	ug/kg	1
22 July 1992	A40431	ND	50	ug/kg	1
25 July 1992	A40481	ND	1000	ug/kg	20
26 July 1992	A62592	ND	50	ug/kg	1
26 July 1992	A40500	ND	1000	ug/kg	20
29 July 1992	A62674	ND	50	ug/kg	1
30 July 1992	A62701	ND	50	ug/kg	1
31 July 1992	A40582	ND	1000	ug/kg	20
4 August 1992	A75788	ND	1000	ug/kg	20
5 August 1992	A33234	ND	50	ug/kg	1
6 August 1992	A33263	ND	50	ug/kg	1
7 August 1992	A62864	ND	50	ug/kg	1
11 August 1992	A33346	ND	50	ug/kg	1
12 August 1992	A33375	ND	50	ug/kg	1
13 August 1992	A40690	ND	50	ug/kg	1
13 August 1992	A33402	ND	50	ug/kg	1
14 August 1992	A40712	ND	50	ug/kg	1
14 August 1992	A33429	ND	50	ug/kg	1
17 August 1992	A33457	ND	50	ug/kg	1
18 August 1992	A33485	ND	50	ug/kg	1
19 August 1992	A75846	ND	1000	ug/kg	20

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : 4-Methyl-2-pentanone(MIBK), cont.					
Type of Blank : Method Blank					
20 August 1992	A33528	ND	50	ug/kg	1
20 August 1992	A62932	2.6	50	ug/kg	1
21 August 1992	A33559	ND	50	ug/kg	1
21 August 1992	A62950	ND	50	ug/kg	1
24 August 1992	A62977	ND	50	ug/kg	1
27 August 1992	A33670	ND	50	ug/kg	1
31 August 1992	A33696	ND	50	ug/kg	1
3 September 1992	A33776	ND	50	ug/kg	1
4 September 1992	A33794	ND	50	ug/kg	1
9 September 1992	A33812	ND	50	ug/kg	1
11 September 1992	A33867	ND	50	ug/kg	1
14 September 1992	A76058	ND	1000	ug/kg	20
15 September 1992	A33919	ND	50	ug/kg	1
16 September 1992	A33947	ND	50	ug/kg	1
12 October 1992	A41087	ND	50	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1000

Method : SW8240					
Analyte : Acetone					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.1	mg/kg	1
21 July 1992	A32998	ND	0.1	mg/kg	1
22 July 1992	A40431	ND	0.1	mg/kg	1
25 July 1992	A40481	ND	2	mg/kg	20
26 July 1992	A62592	0.0028	0.1	mg/kg	1
26 July 1992	A40500	ND	2	mg/kg	20
29 July 1992	A62674	0.0034	0.1	mg/kg	1
30 July 1992	A62701	0.0046	0.1	mg/kg	1
31 July 1992	A40582	ND	2	mg/kg	20
4 August 1992	A75788	ND	2	mg/kg	20
5 August 1992	A33234	ND	0.1	mg/kg	1
6 August 1992	A33263	ND	0.1	mg/kg	1
7 August 1992	A62864	ND	0.1	mg/kg	1
11 August 1992	A33346	ND	0.1	mg/kg	1
12 August 1992	A33375	ND	0.1	mg/kg	1
13 August 1992	A33402	ND	0.1	mg/kg	1
13 August 1992	A40690	ND	0.1	mg/kg	1
14 August 1992	A33429	ND	0.1	mg/kg	1
14 August 1992	A40712	ND	0.1	mg/kg	1
17 August 1992	A33457	ND	0.1	mg/kg	1
18 August 1992	A33485	ND	0.1	mg/kg	1
19 August 1992	A75846	ND	2	mg/kg	20
20 August 1992	A33528	ND	0.1	mg/kg	1
20 August 1992	A62932	0.017	0.1	mg/kg	1
21 August 1992	A33559	ND	0.1	mg/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Acetone, cont.					
Type of Blank : Method Blank					
21 August 1992	A62950	0.006	0.1	mg/kg	1
24 August 1992	A62977	ND	0.1	mg/kg	1
27 August 1992	A33670	ND	0.1	mg/kg	1
31 August 1992	A33696	ND	0.1	mg/kg	1
3 September 1992	A33776	ND	0.1	mg/kg	1
4 September 1992	A33794	ND	0.1	mg/kg	1
9 September 1992	A33812	ND	0.1	mg/kg	1
11 September 1992	A33867	ND	0.1	mg/kg	1
14 September 1992	A76058	ND	2	mg/kg	20
15 September 1992	A33919	ND	0.1	mg/kg	1
16 September 1992	A33947	ND	0.1	mg/kg	1
12 October 1992	A41087	ND	0.1	mg/kg	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 2

Method : SW8240					
Analyte : Acetone					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	100	ug/kg	1
21 July 1992	A32998	ND	100	ug/kg	1
22 July 1992	A40431	ND	100	ug/kg	1
25 July 1992	A40481	ND	2000	ug/kg	20
26 July 1992	A40500	ND	2000	ug/kg	20
26 July 1992	A62592	2.8	100	ug/kg	1
29 July 1992	A62674	3.4	100	ug/kg	1
30 July 1992	A62701	4.6	100	ug/kg	1
31 July 1992	A40582	ND	2000	ug/kg	20
4 August 1992	A75788	ND	2000	ug/kg	20
5 August 1992	A33234	ND	100	ug/kg	1
6 August 1992	A33263	ND	100	ug/kg	1
7 August 1992	A62864	ND	100	ug/kg	1
11 August 1992	A33346	ND	100	ug/kg	1
12 August 1992	A33375	ND	100	ug/kg	1
13 August 1992	A33402	ND	100	ug/kg	1
13 August 1992	A40690	ND	100	ug/kg	1
14 August 1992	A40712	ND	100	ug/kg	1
14 August 1992	A33429	ND	100	ug/kg	1
17 August 1992	A33457	ND	100	ug/kg	1
18 August 1992	A33485	ND	100	ug/kg	1
19 August 1992	A75846	ND	2000	ug/kg	20
20 August 1992	A33528	ND	100	ug/kg	1
20 August 1992	A62932	17	100	ug/kg	1
21 August 1992	A33559	ND	100	ug/kg	1
21 August 1992	A62950	6	100	ug/kg	1
24 August 1992	A62977	ND	100	ug/kg	1
27 August 1992	A33670	ND	100	ug/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8240					
Analyte : Acetone, cont.					
Type of Blank : Method Blank					
31 August 1992	A33696	ND	100	ug/kg	1
3 September 1992	A33776	ND	100	ug/kg	1
4 September 1992	A33794	ND	100	ug/kg	1
9 September 1992	A33812	ND	100	ug/kg	1
11 September 1992	A33867	ND	100	ug/kg	1
14 September 1992	A76058	ND	2000	ug/kg	20
15 September 1992	A33919	ND	100	ug/kg	1
16 September 1992	A33947	ND	100	ug/kg	1
12 October 1992	A41087	ND	100	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 2000

Method : SW8240					
Analyte : Benzene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
26 July 1992	A40500	ND	0.1	mg/kg	20
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Benzene, cont.					
Type of Blank : Method Blank					
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1
Total Number of Blanks = 37			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.1		
Method : SW8240					
Analyte : Benzene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
26 July 1992	A40500	ND	100	ug/kg	20
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Benzene, cont.					
Type of Blank : Method Blank					
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240					
Analyte : Bromodichloromethane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
26 July 1992	A40500	ND	0.1	mg/kg	20
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Bromodichloromethane, cont.					
Type of Blank : Method Blank					
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.1			
Method : SW8240					
Analyte : Bromodichloromethane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 100			

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Bromodichloromethane, cont.					
Type of Blank : Method Blank					
Method : SW8240					
Analyte : Bromomethane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.01	mg/kg	1
21 July 1992	A32998	ND	0.01	mg/kg	1
22 July 1992	A40431	ND	0.01	mg/kg	1
25 July 1992	A40481	ND	0.2	mg/kg	20
26 July 1992	A62592	ND	0.01	mg/kg	1
26 July 1992	A40500	ND	0.2	mg/kg	20
29 July 1992	A62674	ND	0.01	mg/kg	1
30 July 1992	A62701	ND	0.01	mg/kg	1
31 July 1992	A40582	ND	0.2	mg/kg	20
4 August 1992	A75788	ND	0.2	mg/kg	20
5 August 1992	A33234	ND	0.01	mg/kg	1
6 August 1992	A33263	ND	0.01	mg/kg	1
7 August 1992	A62864	ND	0.01	mg/kg	1
11 August 1992	A33346	ND	0.01	mg/kg	1
12 August 1992	A33375	ND	0.01	mg/kg	1
13 August 1992	A40690	ND	0.01	mg/kg	1
13 August 1992	A33402	ND	0.01	mg/kg	1
14 August 1992	A40712	ND	0.01	mg/kg	1
14 August 1992	A33429	ND	0.01	mg/kg	1
17 August 1992	A33457	ND	0.01	mg/kg	1
18 August 1992	A33485	ND	0.01	mg/kg	1
19 August 1992	A75846	ND	0.2	mg/kg	20
20 August 1992	A33528	ND	0.01	mg/kg	1
20 August 1992	A62932	ND	0.01	mg/kg	1
21 August 1992	A33559	ND	0.01	mg/kg	1
21 August 1992	A62950	ND	0.01	mg/kg	1
24 August 1992	A62977	ND	0.01	mg/kg	1
27 August 1992	A33670	ND	0.01	mg/kg	1
31 August 1992	A33696	ND	0.01	mg/kg	1
3 September 1992	A33776	ND	0.01	mg/kg	1
4 September 1992	A33794	ND	0.01	mg/kg	1
9 September 1992	A33812	ND	0.01	mg/kg	1
11 September 1992	A33867	ND	0.01	mg/kg	1
14 September 1992	A76058	ND	0.2	mg/kg	20
15 September 1992	A33919	ND	0.01	mg/kg	1
16 September 1992	A33947	ND	0.01	mg/kg	1
12 October 1992	A41087	ND	0.01	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Bromomethane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	10	ug/kg	1
21 July 1992	A32998	ND	10	ug/kg	1
22 July 1992	A40431	ND	10	ug/kg	1
25 July 1992	A40481	ND	200	ug/kg	20
26 July 1992	A40500	ND	200	ug/kg	20
26 July 1992	A62592	ND	10	ug/kg	1
29 July 1992	A62674	ND	10	ug/kg	1
30 July 1992	A62701	ND	10	ug/kg	1
31 July 1992	A40582	ND	200	ug/kg	20
4 August 1992	A75788	ND	200	ug/kg	20
5 August 1992	A33234	ND	10	ug/kg	1
6 August 1992	A33263	ND	10	ug/kg	1
7 August 1992	A62864	ND	10	ug/kg	1
11 August 1992	A33346	ND	10	ug/kg	1
12 August 1992	A33375	ND	10	ug/kg	1
13 August 1992	A40690	ND	10	ug/kg	1
13 August 1992	A33402	ND	10	ug/kg	1
14 August 1992	A40712	ND	10	ug/kg	1
14 August 1992	A33429	ND	10	ug/kg	1
17 August 1992	A33457	ND	10	ug/kg	1
18 August 1992	A33485	ND	10	ug/kg	1
19 August 1992	A75846	ND	200	ug/kg	20
20 August 1992	A33528	ND	10	ug/kg	1
20 August 1992	A62932	ND	10	ug/kg	1
21 August 1992	A62950	ND	10	ug/kg	1
21 August 1992	A33559	ND	10	ug/kg	1
24 August 1992	A62977	ND	10	ug/kg	1
27 August 1992	A33670	ND	10	ug/kg	1
31 August 1992	A33696	ND	10	ug/kg	1
3 September 1992	A33776	ND	10	ug/kg	1
4 September 1992	A33794	ND	10	ug/kg	1
9 September 1992	A33812	ND	10	ug/kg	1
11 September 1992	A33867	ND	10	ug/kg	1
14 September 1992	A76058	ND	200	ug/kg	20
15 September 1992	A33919	ND	10	ug/kg	1
16 September 1992	A33947	ND	10	ug/kg	1
12 October 1992	A41087	ND	10	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 200

Method : SW8240

Analyte : Carbon disulfide

Type of Blank : Method Blank

15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8240					
Analyte : Carbon disulfide, cont.					
Type of Blank : Method Blank					
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240

Analyte : Carbon disulfide

Type of Blank : Method Blank

15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Carbon disulfide, cont.					
Type of Blank : Method Blank					
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240

Analyte : Carbon tetrachloride

Type of Blank : Method Blank

15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
26 July 1992	A40500	ND	0.1	mg/kg	20
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Carbon tetrachloride, cont.					
Type of Blank : Method Blank					
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240

Analyte : Carbon tetrachloride

Type of Blank : Method Blank

15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Carbon tetrachloride, cont.					
Type of Blank : Method Blank					
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240

Analyte : Chlorobenzene

Type of Blank : Method Blank

15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
26 July 1992	A40500	ND	0.1	mg/kg	20
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Chlorobenzene, cont.					
Type of Blank : Method Blank					
13 August 1992	A40690	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240  
 Analyte : Chlorobenzene  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
26 July 1992	A40500	ND	100	ug/kg	20
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Chlorobenzene, cont.					
Type of Blank : Method Blank					
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 100

Method : SW8240  
 Analyte : Chloroethane  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	0.01	mg/kg	1
21 July 1992	A32998	ND	0.01	mg/kg	1
22 July 1992	A40431	ND	0.01	mg/kg	1
25 July 1992	A40481	ND	0.2	mg/kg	20
26 July 1992	A62592	ND	0.01	mg/kg	1
26 July 1992	A40500	ND	0.2	mg/kg	20
29 July 1992	A62674	ND	0.01	mg/kg	1
30 July 1992	A62701	ND	0.01	mg/kg	1
31 July 1992	A40582	ND	0.2	mg/kg	20
4 August 1992	A75788	ND	0.2	mg/kg	20
5 August 1992	A33234	ND	0.01	mg/kg	1
6 August 1992	A33263	ND	0.01	mg/kg	1
7 August 1992	A62864	ND	0.01	mg/kg	1
11 August 1992	A33346	ND	0.01	mg/kg	1
12 August 1992	A33375	ND	0.01	mg/kg	1
13 August 1992	A40690	ND	0.01	mg/kg	1
13 August 1992	A33402	ND	0.01	mg/kg	1
14 August 1992	A33429	ND	0.01	mg/kg	1
14 August 1992	A40712	ND	0.01	mg/kg	1
17 August 1992	A33457	ND	0.01	mg/kg	1
18 August 1992	A33485	ND	0.01	mg/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240					
Analyte : Chloroethane, cont.					
Type of Blank : Method Blank					
19 August 1992	A75846	ND	0.2	mg/kg	20
20 August 1992	A33528	ND	0.01	mg/kg	1
20 August 1992	A62932	ND	0.01	mg/kg	1
21 August 1992	A33559	ND	0.01	mg/kg	1
21 August 1992	A62950	ND	0.01	mg/kg	1
24 August 1992	A62977	ND	0.01	mg/kg	1
27 August 1992	A33670	ND	0.01	mg/kg	1
31 August 1992	A33696	ND	0.01	mg/kg	1
3 September 1992	A33776	ND	0.01	mg/kg	1
4 September 1992	A33794	ND	0.01	mg/kg	1
9 September 1992	A33812	ND	0.01	mg/kg	1
11 September 1992	A33867	ND	0.01	mg/kg	1
14 September 1992	A76058	ND	0.2	mg/kg	20
15 September 1992	A33919	ND	0.01	mg/kg	1
16 September 1992	A33947	ND	0.01	mg/kg	1
12 October 1992	A41087	ND	0.01	mg/kg	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.2

Method : SW8240					
Analyte : Chloroethane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	10	ug/kg	1
21 July 1992	A32998	ND	10	ug/kg	1
22 July 1992	A40431	ND	10	ug/kg	1
25 July 1992	A40481	ND	200	ug/kg	20
26 July 1992	A40500	ND	200	ug/kg	20
26 July 1992	A62592	ND	10	ug/kg	1
29 July 1992	A62674	ND	10	ug/kg	1
30 July 1992	A62701	ND	10	ug/kg	1
31 July 1992	A40582	ND	200	ug/kg	20
4 August 1992	A75788	ND	200	ug/kg	20
5 August 1992	A33234	ND	10	ug/kg	1
6 August 1992	A33263	ND	10	ug/kg	1
7 August 1992	A62864	ND	10	ug/kg	1
11 August 1992	A33346	ND	10	ug/kg	1
12 August 1992	A33375	ND	10	ug/kg	1
13 August 1992	A40690	ND	10	ug/kg	1
13 August 1992	A33402	ND	10	ug/kg	1
14 August 1992	A33429	ND	10	ug/kg	1
14 August 1992	A40712	ND	10	ug/kg	1
17 August 1992	A33457	ND	10	ug/kg	1
18 August 1992	A33485	ND	10	ug/kg	1
19 August 1992	A75846	ND	200	ug/kg	20
20 August 1992	A33528	ND	10	ug/kg	1
20 August 1992	A62932	ND	10	ug/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Chloroethane, cont.					
Type of Blank : Method Blank					
21 August 1992	A33559	ND	10	ug/kg	1
21 August 1992	A62950	ND	10	ug/kg	1
24 August 1992	A62977	ND	10	ug/kg	1
27 August 1992	A33670	ND	10	ug/kg	1
31 August 1992	A33696	ND	10	ug/kg	1
3 September 1992	A33776	ND	10	ug/kg	1
4 September 1992	A33794	ND	10	ug/kg	1
9 September 1992	A33812	ND	10	ug/kg	1
11 September 1992	A33867	ND	10	ug/kg	1
14 September 1992	A76058	ND	200	ug/kg	20
15 September 1992	A33919	ND	10	ug/kg	1
16 September 1992	A33947	ND	10	ug/kg	1
12 October 1992	A41087	ND	10	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 200

Method : SW8240					
Analyte : Chloroform					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240					
Analyte : Chloroform, cont.					
Type of Blank : Method Blank					
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240					
Analyte : Chloroform					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Chloroform, cont.					
Type of Blank : Method Blank					
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 100

Method : SW8240					
Analyte : Chloromethane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.01	mg/kg	1
21 July 1992	A32998	ND	0.01	mg/kg	1
22 July 1992	A40431	ND	0.01	mg/kg	1
25 July 1992	A40481	ND	0.2	mg/kg	20
26 July 1992	A62592	ND	0.01	mg/kg	1
26 July 1992	A40500	ND	0.2	mg/kg	20
29 July 1992	A62674	ND	0.01	mg/kg	1
30 July 1992	A62701	ND	0.01	mg/kg	1
31 July 1992	A40582	ND	0.2	mg/kg	20
4 August 1992	A75788	ND	0.2	mg/kg	20
5 August 1992	A33234	ND	0.01	mg/kg	1
6 August 1992	A33263	ND	0.01	mg/kg	1
7 August 1992	A62864	ND	0.01	mg/kg	1
11 August 1992	A33346	ND	0.01	mg/kg	1
12 August 1992	A33375	ND	0.01	mg/kg	1
13 August 1992	A40690	ND	0.01	mg/kg	1
13 August 1992	A33402	ND	0.01	mg/kg	1
14 August 1992	A33429	ND	0.01	mg/kg	1
14 August 1992	A40712	ND	0.01	mg/kg	1
17 August 1992	A33457	ND	0.01	mg/kg	1
18 August 1992	A33485	ND	0.01	mg/kg	1
19 August 1992	A75846	ND	0.2	mg/kg	20
20 August 1992	A33528	ND	0.01	mg/kg	1
20 August 1992	A62932	ND	0.01	mg/kg	1
21 August 1992	A62950	ND	0.01	mg/kg	1
21 August 1992	A33559	ND	0.01	mg/kg	1
24 August 1992	A62977	ND	0.01	mg/kg	1
27 August 1992	A33670	ND	0.01	mg/kg	1
31 August 1992	A33696	ND	0.01	mg/kg	1
3 September 1992	A33776	ND	0.01	mg/kg	1
4 September 1992	A33794	ND	0.01	mg/kg	1
9 September 1992	A33812	ND	0.01	mg/kg	1
11 September 1992	A33867	ND	0.01	mg/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Chloromethane, cont.					
Type of Blank : Method Blank					
14 September 1992	A76058	ND	0.2	mg/kg	20
15 September 1992	A33919	ND	0.01	mg/kg	1
16 September 1992	A33947	ND	0.01	mg/kg	1
12 October 1992	A41087	ND	0.01	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

Method : SW8240					
Analyte : Chloromethane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	10	ug/kg	1
21 July 1992	A32998	ND	10	ug/kg	1
22 July 1992	A40431	ND	10	ug/kg	1
25 July 1992	A40481	ND	200	ug/kg	20
26 July 1992	A62592	ND	10	ug/kg	1
26 July 1992	A40500	ND	200	ug/kg	20
29 July 1992	A62674	ND	10	ug/kg	1
30 July 1992	A62701	ND	10	ug/kg	1
31 July 1992	A40582	ND	200	ug/kg	20
4 August 1992	A75788	ND	200	ug/kg	20
5 August 1992	A33234	ND	10	ug/kg	1
6 August 1992	A33263	ND	10	ug/kg	1
7 August 1992	A62864	ND	10	ug/kg	1
11 August 1992	A33346	ND	10	ug/kg	1
12 August 1992	A33375	ND	10	ug/kg	1
13 August 1992	A40690	ND	10	ug/kg	1
13 August 1992	A33402	ND	10	ug/kg	1
14 August 1992	A40712	ND	10	ug/kg	1
14 August 1992	A33429	ND	10	ug/kg	1
17 August 1992	A33457	ND	10	ug/kg	1
18 August 1992	A33485	ND	10	ug/kg	1
19 August 1992	A75846	ND	200	ug/kg	20
20 August 1992	A33528	ND	10	ug/kg	1
20 August 1992	A62932	ND	10	ug/kg	1
21 August 1992	A62950	ND	10	ug/kg	1
21 August 1992	A33559	ND	10	ug/kg	1
24 August 1992	A62977	ND	10	ug/kg	1
27 August 1992	A33670	ND	10	ug/kg	1
31 August 1992	A33696	ND	10	ug/kg	1
3 September 1992	A33776	ND	10	ug/kg	1
4 September 1992	A33794	ND	10	ug/kg	1
9 September 1992	A33812	ND	10	ug/kg	1
11 September 1992	A33867	ND	10	ug/kg	1
14 September 1992	A76058	ND	200	ug/kg	20
15 September 1992	A33919	ND	10	ug/kg	1
16 September 1992	A33947	ND	10	ug/kg	1



TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Chloromethane, cont.					
Type of Blank : Method Blank					
12 October 1992	A41087	ND	10	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 200

Method : SW8240					
Analyte : Dibromochloromethane					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240 Analyte : Dibromochloromethane, cont. Type of Blank : Method Blank Total Number above Reporting Limit = 0      Maximum Reporting Limit = 0.1					
Method : SW8240 Analyte : Dibromochloromethane Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8240					
Analyte : Ethyl benzene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
26 July 1992	A40500	ND	0.1	mg/kg	20
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240  
 Analyte : Ethyl benzene  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Ethyl benzene, cont.					
Type of Blank : Method Blank					
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240

Analyte : Methyl ethyl ketone

Type of Blank : Method Blank

15 July 1992	A32920	ND	0.1	mg/kg	1
21 July 1992	A32998	ND	0.1	mg/kg	1
22 July 1992	A40431	ND	0.1	mg/kg	1
25 July 1992	A40481	ND	2	mg/kg	20
26 July 1992	A40500	ND	2	mg/kg	20
26 July 1992	A62592	0.001	0.1	mg/kg	1
29 July 1992	A62674	ND	0.1	mg/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Methyl ethyl ketone, cont.					
Type of Blank : Method Blank					
30 July 1992	A62701	0.00072	0.1	mg/kg	1
31 July 1992	A40582	ND	2	mg/kg	20
4 August 1992	A75788	ND	2	mg/kg	20
5 August 1992	A33234	ND	0.1	mg/kg	1
6 August 1992	A33263	ND	0.1	mg/kg	1
7 August 1992	A62864	ND	0.1	mg/kg	1
11 August 1992	A33346	ND	0.1	mg/kg	1
12 August 1992	A33375	ND	0.1	mg/kg	1
13 August 1992	A33402	ND	0.1	mg/kg	1
13 August 1992	A40690	ND	0.1	mg/kg	1
14 August 1992	A40712	ND	0.1	mg/kg	1
14 August 1992	A33429	ND	0.1	mg/kg	1
17 August 1992	A33457	ND	0.1	mg/kg	1
18 August 1992	A33485	ND	0.1	mg/kg	1
19 August 1992	A75846	ND	2	mg/kg	20
20 August 1992	A33528	ND	0.1	mg/kg	1
20 August 1992	A62932	0.0037	0.1	mg/kg	1
21 August 1992	A62950	ND	0.1	mg/kg	1
21 August 1992	A33559	ND	0.1	mg/kg	1
24 August 1992	A62977	ND	0.1	mg/kg	1
27 August 1992	A33670	ND	0.1	mg/kg	1
31 August 1992	A33696	ND	0.1	mg/kg	1
3 September 1992	A33776	ND	0.1	mg/kg	1
4 September 1992	A33794	ND	0.1	mg/kg	1
9 September 1992	A33812	ND	0.1	mg/kg	1
11 September 1992	A33867	ND	0.1	mg/kg	1
14 September 1992	A76058	ND	2	mg/kg	20
15 September 1992	A33919	ND	0.1	mg/kg	1
16 September 1992	A33947	ND	0.1	mg/kg	1
12 October 1992	A41087	ND	0.1	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 2

Method : SW8240  
 Analyte : Methyl ethyl ketone  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	100	ug/kg	1
21 July 1992	A32998	ND	100	ug/kg	1
22 July 1992	A40431	ND	100	ug/kg	1
25 July 1992	A40481	ND	2000	ug/kg	20
26 July 1992	A40500	ND	2000	ug/kg	20
26 July 1992	A62592	1	100	ug/kg	1
29 July 1992	A62674	ND	100	ug/kg	1
30 July 1992	A62701	0.72	100	ug/kg	1
31 July 1992	A40582	ND	2000	ug/kg	20
4 August 1992	A75788	ND	2000	ug/kg	20

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Methyl ethyl ketone, cont.					
Type of Blank : Method Blank					
5 August 1992	A33234	ND	100	ug/kg	1
6 August 1992	A33263	ND	100	ug/kg	1
7 August 1992	A62864	ND	100	ug/kg	1
11 August 1992	A33346	ND	100	ug/kg	1
12 August 1992	A33375	ND	100	ug/kg	1
13 August 1992	A40690	ND	100	ug/kg	1
13 August 1992	A33402	ND	100	ug/kg	1
14 August 1992	A40712	ND	100	ug/kg	1
14 August 1992	A33429	ND	100	ug/kg	1
17 August 1992	A33457	ND	100	ug/kg	1
18 August 1992	A33485	ND	100	ug/kg	1
19 August 1992	A75846	ND	2000	ug/kg	20
20 August 1992	A33528	ND	100	ug/kg	1
20 August 1992	A62932	3.7	100	ug/kg	1
21 August 1992	A62950	ND	100	ug/kg	1
21 August 1992	A33559	ND	100	ug/kg	1
24 August 1992	A62977	ND	100	ug/kg	1
27 August 1992	A33670	ND	100	ug/kg	1
31 August 1992	A33696	ND	100	ug/kg	1
3 September 1992	A33776	ND	100	ug/kg	1
4 September 1992	A33794	ND	100	ug/kg	1
9 September 1992	A33812	ND	100	ug/kg	1
11 September 1992	A33867	ND	100	ug/kg	1
14 September 1992	A76058	ND	2000	ug/kg	20
15 September 1992	A33919	ND	100	ug/kg	1
16 September 1992	A33947	ND	100	ug/kg	1
12 October 1992	A41087	ND	100	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 2000

Method : SW8240  
 Analyte : Methylene chloride  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	0.00097	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	0.00064	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Methylene chloride, cont.					
Type of Blank : Method Blank					
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	0.0023	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.1

Method : SW8240

Analyte : Methylene chloride

Type of Blank : Method Blank

15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	0.97	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	0.64	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Methylene chloride, cont.					
Type of Blank : Method Blank					
13 August 1992	A33402	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	2.3	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240  
 Analyte : Styrene  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1



TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Styrene, cont.					
Type of Blank : Method Blank					
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.1

Method : SW8240					
Analyte : Styrene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Styrene, cont.					
Type of Blank : Method Blank					
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 100

Method : SW8240					
Analyte : Tetrachloroethene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Tetrachloroethene, cont.					
Type of Blank : Method Blank					
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240					
Analyte : Tetrachloroethene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
26 July 1992	A40500	ND	100	ug/kg	20
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240					
Analyte : Tetrachloroethene, cont.					
Type of Blank : Method Blank					
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240					
Analyte : Toluene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Toluene, cont.					
Type of Blank : Method Blank					
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1
Total Number of Blanks = 37			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.1		

Method : SW8240					
Analyte : Toluene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
26 July 1992	A40500	ND	100	ug/kg	20
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8240					
Analyte : Toluene, cont.					
Type of Blank : Method Blank					
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240					
Analyte : Tribromomethane(Bromoform)					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240					
Analyte : Tribromomethane(Bromoform), cont.					
Type of Blank : Method Blank					
-----					
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.1			
Method : SW8240					
Analyte : Tribromomethane(Bromoform)					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1
-----					
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 100			

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240					
Analyte : Tribromomethane(Bromoform), cont.					
Type of Blank : Method Blank					
Method : SW8240					
Analyte : Trichloroethene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Trichloroethene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
26 July 1992	A40500	ND	100	ug/kg	20
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240  
 Analyte : Vinyl acetate  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Vinyl acetate, cont.					
Type of Blank : Method Blank					
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
26 July 1992	A40500	ND	0.1	mg/kg	20
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240  
 Analyte : Vinyl acetate  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Vinyl acetate, cont.					
Type of Blank : Method Blank					
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240

Analyte : Vinyl chloride

Type of Blank : Method Blank

15 July 1992	A32920	ND	0.01	mg/kg	1
21 July 1992	A32998	ND	0.01	mg/kg	1
22 July 1992	A40431	ND	0.01	mg/kg	1
25 July 1992	A40481	ND	0.2	mg/kg	20
26 July 1992	A62592	ND	0.01	mg/kg	1
26 July 1992	A40500	ND	0.2	mg/kg	20
29 July 1992	A62674	ND	0.01	mg/kg	1
30 July 1992	A62701	ND	0.01	mg/kg	1
31 July 1992	A40582	ND	0.2	mg/kg	20

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Vinyl chloride, cont.					
Type of Blank : Method Blank					
4 August 1992	A75788	ND	0.2	mg/kg	20
5 August 1992	A33234	ND	0.01	mg/kg	1
6 August 1992	A33263	ND	0.01	mg/kg	1
7 August 1992	A62864	ND	0.01	mg/kg	1
11 August 1992	A33346	ND	0.01	mg/kg	1
12 August 1992	A33375	ND	0.01	mg/kg	1
13 August 1992	A33402	ND	0.01	mg/kg	1
13 August 1992	A40690	ND	0.01	mg/kg	1
14 August 1992	A40712	ND	0.01	mg/kg	1
14 August 1992	A33429	ND	0.01	mg/kg	1
17 August 1992	A33457	ND	0.01	mg/kg	1
18 August 1992	A33485	ND	0.01	mg/kg	1
19 August 1992	A75846	ND	0.2	mg/kg	20
20 August 1992	A33528	ND	0.01	mg/kg	1
20 August 1992	A62932	ND	0.01	mg/kg	1
21 August 1992	A33559	ND	0.01	mg/kg	1
21 August 1992	A62950	ND	0.01	mg/kg	1
24 August 1992	A62977	ND	0.01	mg/kg	1
27 August 1992	A33670	ND	0.01	mg/kg	1
31 August 1992	A33696	ND	0.01	mg/kg	1
3 September 1992	A33776	ND	0.01	mg/kg	1
4 September 1992	A33794	ND	0.01	mg/kg	1
9 September 1992	A33812	ND	0.01	mg/kg	1
11 September 1992	A33867	ND	0.01	mg/kg	1
14 September 1992	A76058	ND	0.2	mg/kg	20
15 September 1992	A33919	ND	0.01	mg/kg	1
16 September 1992	A33947	ND	0.01	mg/kg	1
12 October 1992	A41087	ND	0.01	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

Method : SW8240  
 Analyte : Vinyl chloride  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	10	ug/kg	1
21 July 1992	A32998	ND	10	ug/kg	1
22 July 1992	A40431	ND	10	ug/kg	1
25 July 1992	A40481	ND	200	ug/kg	20
26 July 1992	A62592	ND	10	ug/kg	1
26 July 1992	A40500	ND	200	ug/kg	20
29 July 1992	A62674	ND	10	ug/kg	1
30 July 1992	A62701	ND	10	ug/kg	1
31 July 1992	A40582	ND	200	ug/kg	20
4 August 1992	A75788	ND	200	ug/kg	20
5 August 1992	A33234	ND	10	ug/kg	1
6 August 1992	A33263	ND	10	ug/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Vinyl chloride, cont.					
Type of Blank : Method Blank					
7 August 1992	A62864	ND	10	ug/kg	1
11 August 1992	A33346	ND	10	ug/kg	1
12 August 1992	A33375	ND	10	ug/kg	1
13 August 1992	A40690	ND	10	ug/kg	1
13 August 1992	A33402	ND	10	ug/kg	1
14 August 1992	A33429	ND	10	ug/kg	1
14 August 1992	A40712	ND	10	ug/kg	1
17 August 1992	A33457	ND	10	ug/kg	1
18 August 1992	A33485	ND	10	ug/kg	1
19 August 1992	A75846	ND	200	ug/kg	20
20 August 1992	A33528	ND	10	ug/kg	1
20 August 1992	A62932	ND	10	ug/kg	1
21 August 1992	A62950	ND	10	ug/kg	1
21 August 1992	A33559	ND	10	ug/kg	1
24 August 1992	A62977	ND	10	ug/kg	1
27 August 1992	A33670	ND	10	ug/kg	1
31 August 1992	A33696	ND	10	ug/kg	1
3 September 1992	A33776	ND	10	ug/kg	1
4 September 1992	A33794	ND	10	ug/kg	1
9 September 1992	A33812	ND	10	ug/kg	1
11 September 1992	A33867	ND	10	ug/kg	1
14 September 1992	A76058	ND	200	ug/kg	20
15 September 1992	A33919	ND	10	ug/kg	1
16 September 1992	A33947	ND	10	ug/kg	1
12 October 1992	A41087	ND	10	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 200

Method : SW8240  
 Analyte : Xylenes  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	0.00062	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
26 July 1992	A40500	ND	0.1	mg/kg	20
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8240					
Analyte : Xylenes, cont.					
Type of Blank : Method Blank					
13 August 1992	A40690	0.0013	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	0.00029	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240  
 Analyte : Xylenes  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	0.62	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A40500	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	1.3	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : Xylenes, cont.					
Type of Blank : Method Blank					
14 August 1992	A33429	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	0.29	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 100

Method : SW8240  
 Analyte : cis-1,3-Dichloropropene  
 Type of Blank : Method Blank

15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
26 July 1992	A40500	ND	0.1	mg/kg	20
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8240					
Analyte : cis-1,3-Dichloropropene, cont.					
Type of Blank : Method Blank					
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.1

Method : SW8240					
Analyte : cis-1,3-Dichloropropene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
26 July 1992	A40500	ND	100	ug/kg	20
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1



TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : cis-1,3-Dichloropropene, cont.					
Type of Blank : Method Blank					
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240					
Analyte : trans-1,2-Dichloroethene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8240					
Analyte : trans-1,2-Dichloroethene, cont.					
Type of Blank : Method Blank					
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240					
Analyte : trans-1,2-Dichloroethene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
26 July 1992	A40500	ND	100	ug/kg	20
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : trans-1,2-Dichloroethene, cont.					
Type of Blank : Method Blank					
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1
12 October 1992	A41087	ND	5	ug/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

Method : SW8240					
Analyte : trans-1,3-Dichloropropene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	0.005	mg/kg	1
21 July 1992	A32998	ND	0.005	mg/kg	1
22 July 1992	A40431	ND	0.005	mg/kg	1
25 July 1992	A40481	ND	0.1	mg/kg	20
26 July 1992	A40500	ND	0.1	mg/kg	20
26 July 1992	A62592	ND	0.005	mg/kg	1
29 July 1992	A62674	ND	0.005	mg/kg	1
30 July 1992	A62701	ND	0.005	mg/kg	1
31 July 1992	A40582	ND	0.1	mg/kg	20
4 August 1992	A75788	ND	0.1	mg/kg	20
5 August 1992	A33234	ND	0.005	mg/kg	1
6 August 1992	A33263	ND	0.005	mg/kg	1
7 August 1992	A62864	ND	0.005	mg/kg	1
11 August 1992	A33346	ND	0.005	mg/kg	1
12 August 1992	A33375	ND	0.005	mg/kg	1
13 August 1992	A33402	ND	0.005	mg/kg	1
13 August 1992	A40690	ND	0.005	mg/kg	1
14 August 1992	A40712	ND	0.005	mg/kg	1
14 August 1992	A33429	ND	0.005	mg/kg	1
17 August 1992	A33457	ND	0.005	mg/kg	1
18 August 1992	A33485	ND	0.005	mg/kg	1
19 August 1992	A75846	ND	0.1	mg/kg	20
20 August 1992	A33528	ND	0.005	mg/kg	1
20 August 1992	A62932	ND	0.005	mg/kg	1
21 August 1992	A33559	ND	0.005	mg/kg	1
21 August 1992	A62950	ND	0.005	mg/kg	1
24 August 1992	A62977	ND	0.005	mg/kg	1
27 August 1992	A33670	ND	0.005	mg/kg	1
31 August 1992	A33696	ND	0.005	mg/kg	1
3 September 1992	A33776	ND	0.005	mg/kg	1
4 September 1992	A33794	ND	0.005	mg/kg	1
9 September 1992	A33812	ND	0.005	mg/kg	1
11 September 1992	A33867	ND	0.005	mg/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : trans-1,3-Dichloropropene, cont.					
Type of Blank : Method Blank					
14 September 1992	A76058	ND	0.1	mg/kg	20
15 September 1992	A33919	ND	0.005	mg/kg	1
16 September 1992	A33947	ND	0.005	mg/kg	1
12 October 1992	A41087	ND	0.005	mg/kg	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8240					
Analyte : trans-1,3-Dichloropropene					
Type of Blank : Method Blank					
15 July 1992	A32920	ND	5	ug/kg	1
21 July 1992	A32998	ND	5	ug/kg	1
22 July 1992	A40431	ND	5	ug/kg	1
25 July 1992	A40481	ND	100	ug/kg	20
26 July 1992	A62592	ND	5	ug/kg	1
26 July 1992	A40500	ND	100	ug/kg	20
29 July 1992	A62674	ND	5	ug/kg	1
30 July 1992	A62701	ND	5	ug/kg	1
31 July 1992	A40582	ND	100	ug/kg	20
4 August 1992	A75788	ND	100	ug/kg	20
5 August 1992	A33234	ND	5	ug/kg	1
6 August 1992	A33263	ND	5	ug/kg	1
7 August 1992	A62864	ND	5	ug/kg	1
11 August 1992	A33346	ND	5	ug/kg	1
12 August 1992	A33375	ND	5	ug/kg	1
13 August 1992	A40690	ND	5	ug/kg	1
13 August 1992	A33402	ND	5	ug/kg	1
14 August 1992	A33429	ND	5	ug/kg	1
14 August 1992	A40712	ND	5	ug/kg	1
17 August 1992	A33457	ND	5	ug/kg	1
18 August 1992	A33485	ND	5	ug/kg	1
19 August 1992	A75846	ND	100	ug/kg	20
20 August 1992	A33528	ND	5	ug/kg	1
20 August 1992	A62932	ND	5	ug/kg	1
21 August 1992	A33559	ND	5	ug/kg	1
21 August 1992	A62950	ND	5	ug/kg	1
24 August 1992	A62977	ND	5	ug/kg	1
27 August 1992	A33670	ND	5	ug/kg	1
31 August 1992	A33696	ND	5	ug/kg	1
3 September 1992	A33776	ND	5	ug/kg	1
4 September 1992	A33794	ND	5	ug/kg	1
9 September 1992	A33812	ND	5	ug/kg	1
11 September 1992	A33867	ND	5	ug/kg	1
14 September 1992	A76058	ND	100	ug/kg	20
15 September 1992	A33919	ND	5	ug/kg	1
16 September 1992	A33947	ND	5	ug/kg	1

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8240					
Analyte : trans-1,3-Dichloropropene, cont.					
Type of Blank : Method Blank					
12 October 1992	A41087	ND	5	ug/kg	1
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 100			
Method : SW8270					
Analyte : 1,2,4-Trichlorobenzene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
Total Number of Blanks = 24		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : SW8270					
Analyte : 1,2,4-Trichlorobenzene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 1,2,4-Trichlorobenzene, cont.					
Type of Blank : Method Blank					
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270  
 Analyte : 1,2,4-Trichlorobenzene  
 Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270  
 Analyte : 1,2-Dichlorobenzene  
 Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 1,2-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 10

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : 1,3-Dichlorobenzene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 1,3-Dichlorobenzene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 1,3-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 10

Method : SW8270  
Analyte : 1,3-Dichlorobenzene  
Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 330

Method : SW8270  
Analyte : 1,4-Dichlorobenzene  
Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 1,4-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 1,4-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : SW8270					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
Total Number of Blanks = 3		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 330			
Method : SW8270					
Analyte : 2,4,5-Trichlorophenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
Total Number of Blanks = 24		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : 2,4,5-Trichlorophenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270  
 Analyte : 2,4,5-Trichlorophenol  
 Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270  
 Analyte : 2,4,6-Trichlorophenol  
 Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 2,4,6-Trichlorophenol, cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 2,4,6-Trichlorophenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 2,4,6-Trichlorophenol, cont.					
Type of Blank : Method Blank					
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333
Total Number of Blanks = 24			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 10		
Method : SW8270					
Analyte : 2,4,6-Trichlorophenol					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.333330
17 August 1992	99845	ND	330	ug/kg	33.333330
18 August 1992	99864	ND	330	ug/kg	33.333330
Total Number of Blanks = 3			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 330		
Method : SW8270					
Analyte : 2,4-Dichlorophenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.333330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.333330
18 August 1992	99864	ND	0.33	mg/kg	33.333330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
Total Number of Blanks = 24			Concentration Range NC		

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : 2,4-Dichlorophenol, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 10		
Method : SW8270					
Analyte : 2,4-Dichlorophenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333
-----					
Total Number of Blanks = 24			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 10		
Method : SW8270					
Analyte : 2,4-Dichlorophenol					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
-----					
Total Number of Blanks = 3			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 330		

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8270					
Analyte : 2,4-Dimethylphenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270  
 Analyte : 2,4-Dimethylphenol  
 Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333



TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 2,4-Dimethylphenol, cont.					
Type of Blank : Method Blank					
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 2,4-Dimethylphenol					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 330

Method : SW8270					
Analyte : 2,4-Dinitrophenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	mg/kg	0.033333
5 August 1992	99631	ND	1.7	mg/kg	0.033333
6 August 1992	99666	ND	1.7	mg/kg	0.033333
9 August 1992	99721	ND	50	mg/kg	1
10 August 1992	99739	ND	1.7	mg/kg	0.033333
11 August 1992	99758	ND	1.7	mg/kg	0.033333
12 August 1992	A8994	ND	1.7	mg/kg	0.033333
12 August 1992	99777	ND	1.7	mg/kg	33.33330
13 August 1992	A9013	ND	1.7	mg/kg	0.033333
17 August 1992	99845	ND	1.7	mg/kg	33.33330
18 August 1992	99864	ND	1.7	mg/kg	33.33330
22 August 1992	99940	ND	1.7	mg/kg	0.033333
24 August 1992	99959	ND	17	mg/kg	0.333333
29 August 1992	B8247	ND	1.7	mg/kg	0.033333
31 August 1992	B8266	ND	1.7	mg/kg	0.033333
7 September 1992	A9291	ND	1.7	mg/kg	0.033333
10 September 1992	B8457	ND	1.7	mg/kg	0.033333
14 September 1992	B8504	ND	1.7	mg/kg	0.033333
16 September 1992	B8561	ND	5	mg/kg	0.1
21 September 1992	A9545	ND	50	mg/kg	1
23 September 1992	A9602	ND	1.7	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : 2,4-Dinitrophenol, cont.					
Type of Blank : Method Blank					
23 September 1992	B8673	ND	1.7	mg/kg	0.033333
14 October 1992	B8997	ND	1.7	mg/kg	0.033333
16 October 1992	C8028	ND	1.7	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 50

Method : SW8270					
Analyte : 2,4-Dinitrophenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	ug/g	0.033333
5 August 1992	99631	ND	1.7	ug/g	0.033333
6 August 1992	99666	ND	1.7	ug/g	0.033333
9 August 1992	99721	ND	50	ug/g	1
10 August 1992	99739	ND	1.7	ug/g	0.033333
11 August 1992	99758	ND	1.7	ug/g	0.033333
12 August 1992	99777	ND	1.7	ug/g	33.33330
12 August 1992	A8994	ND	1.7	ug/g	0.033333
13 August 1992	A9013	ND	1.7	ug/g	0.033333
17 August 1992	99845	ND	1.7	ug/g	33.33330
18 August 1992	99864	ND	1.7	ug/g	33.33330
22 August 1992	99940	ND	1.7	ug/g	0.033333
24 August 1992	99959	ND	17	ug/g	0.333333
29 August 1992	B8247	ND	1.7	ug/g	0.033333
31 August 1992	B8266	ND	1.7	ug/g	0.033333
7 September 1992	A9291	ND	1.7	ug/g	0.033333
10 September 1992	B8457	ND	1.7	ug/g	0.033333
14 September 1992	B8504	ND	1.7	ug/g	0.033333
16 September 1992	B8561	ND	5	ug/g	0.1
21 September 1992	A9545	ND	50	ug/g	1
23 September 1992	B8673	ND	1.7	ug/g	0.033333
23 September 1992	A9602	ND	1.7	ug/g	0.033333
14 October 1992	B8997	ND	1.7	ug/g	0.033333
16 October 1992	C8028	ND	1.7	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 50

Method : SW8270					
Analyte : 2,4-Dinitrophenol					
Type of Blank : Method Blank					
12 August 1992	99777	ND	1700	ug/kg	33.33330
17 August 1992	99845	ND	1700	ug/kg	33.33330
18 August 1992	99864	ND	1700	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270 Analyte : 2,4-Dinitrophenol, cont. Type of Blank : Method Blank Total Number above Reporting Limit = 0 Maximum Reporting Limit = 1700					
Method : SW8270 Analyte : 2,4-Dinitrotoluene Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
----- Total Number of Blanks = 24 Total Number above Reporting Limit = 0 Concentration Range NC Maximum Reporting Limit = 10					
Method : SW8270 Analyte : 2,4-Dinitrotoluene Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : 2,4-Dinitrotoluene, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 2,4-Dinitrotoluene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : 2,6-Dinitrotoluene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 2,6-Dinitrotoluene, cont.					
Type of Blank : Method Blank					
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 2,6-Dinitrotoluene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 2,6-Dinitrotoluene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : 2-Chloronaphthalene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 2-Chloronaphthalene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 2-Chloronaphthalene, cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 2-Chloronaphthalene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 330

Method : SW8270					
Analyte : 2-Chlorophenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 2-Chlorophenol, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	ND	0.33	mg/kg	33.333330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 2-Chlorophenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.333330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.333330
18 August 1992	99864	ND	0.33	ug/g	33.333330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : 2-Chlorophenol, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 10		
Method : SW8270					
Analyte : 2-Chlorophenol					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
-----					
Total Number of Blanks = 3			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 330		
Method : SW8270					
Analyte : 2-Methylnaphthalene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
-----					
Total Number of Blanks = 24			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 10		

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : 2-Methylnaphthalene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270  
 Analyte : 2-Methylnaphthalene  
 Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270  
 Analyte : 2-Methylphenol(o-cresol)  
 Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 2-Methylphenol(o-cresol), cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 2-Methylphenol(o-cresol)					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 2-Methylphenol(o-cresol), cont.					
Type of Blank : Method Blank					
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333
Total Number of Blanks = 24			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 10		
Method : SW8270					
Analyte : 2-Methylphenol(o-cresol)					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
Total Number of Blanks = 3			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 330		
Method : SW8270					
Analyte : 2-Nitroaniline					
Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	mg/kg	0.033333
5 August 1992	99631	ND	1.7	mg/kg	0.033333
6 August 1992	99666	ND	1.7	mg/kg	0.033333
9 August 1992	99721	ND	50	mg/kg	1
10 August 1992	99739	ND	1.7	mg/kg	0.033333
11 August 1992	99758	ND	1.7	mg/kg	0.033333
12 August 1992	A8994	ND	1.7	mg/kg	0.033333
12 August 1992	99777	ND	1.7	mg/kg	33.33330
13 August 1992	A9013	ND	1.7	mg/kg	0.033333
17 August 1992	99845	ND	1.7	mg/kg	33.33330
18 August 1992	99864	ND	1.7	mg/kg	33.33330
22 August 1992	99940	ND	1.7	mg/kg	0.033333
24 August 1992	99959	ND	17	mg/kg	0.333333
29 August 1992	B8247	ND	1.7	mg/kg	0.033333
31 August 1992	B8266	ND	1.7	mg/kg	0.033333
7 September 1992	A9291	ND	1.7	mg/kg	0.033333
10 September 1992	B8457	ND	1.7	mg/kg	0.033333
14 September 1992	B8504	ND	1.7	mg/kg	0.033333
16 September 1992	B8561	ND	5	mg/kg	0.1
21 September 1992	A9545	ND	50	mg/kg	1
23 September 1992	B8673	ND	1.7	mg/kg	0.033333
23 September 1992	A9602	ND	1.7	mg/kg	0.033333
14 October 1992	B8997	ND	1.7	mg/kg	0.033333
16 October 1992	C8028	ND	1.7	mg/kg	0.033333
Total Number of Blanks = 24			Concentration Range NC		

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 2-Nitroaniline, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 50		
Method : SW8270					
Analyte : 2-Nitroaniline					
Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	ug/g	0.033333
5 August 1992	99631	ND	1.7	ug/g	0.033333
6 August 1992	99666	ND	1.7	ug/g	0.033333
9 August 1992	99721	ND	50	ug/g	1
10 August 1992	99739	ND	1.7	ug/g	0.033333
11 August 1992	99758	ND	1.7	ug/g	0.033333
12 August 1992	A8994	ND	1.7	ug/g	0.033333
12 August 1992	99777	ND	1.7	ug/g	33.33330
13 August 1992	A9013	ND	1.7	ug/g	0.033333
17 August 1992	99845	ND	1.7	ug/g	33.33330
18 August 1992	99864	ND	1.7	ug/g	33.33330
22 August 1992	99940	ND	1.7	ug/g	0.033333
24 August 1992	99959	ND	17	ug/g	0.333333
29 August 1992	B8247	ND	1.7	ug/g	0.033333
31 August 1992	B8266	ND	1.7	ug/g	0.033333
7 September 1992	A9291	ND	1.7	ug/g	0.033333
10 September 1992	B8457	ND	1.7	ug/g	0.033333
14 September 1992	B8504	ND	1.7	ug/g	0.033333
16 September 1992	B8561	ND	5	ug/g	0.1
21 September 1992	A9545	ND	50	ug/g	1
23 September 1992	B8673	ND	1.7	ug/g	0.033333
23 September 1992	A9602	ND	1.7	ug/g	0.033333
14 October 1992	B8997	ND	1.7	ug/g	0.033333
16 October 1992	C8028	ND	1.7	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 50

Method : SW8270

Analyte : 2-Nitroaniline

Type of Blank : Method Blank

12 August 1992	99777	ND	1700	ug/kg	33.33330
17 August 1992	99845	ND	1700	ug/kg	33.33330
18 August 1992	99864	ND	1700	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1700

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 2-Nitrophenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270  
 Analyte : 2-Nitrophenol  
 Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 2-Nitrophenol, cont.					
Type of Blank : Method Blank					
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333
Total Number of Blanks = 24		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : SW8270					
Analyte : 2-Nitrophenol					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
Total Number of Blanks = 3		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 330			
Method : SW8270					
Analyte : 3,3'-Dichlorobenzidine					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.67	mg/kg	0.033333
5 August 1992	99631	ND	0.67	mg/kg	0.033333
6 August 1992	99666	ND	0.67	mg/kg	0.033333
9 August 1992	99721	ND	20	mg/kg	1
10 August 1992	99739	ND	0.67	mg/kg	0.033333
11 August 1992	99758	ND	0.67	mg/kg	0.033333
12 August 1992	A8994	ND	0.67	mg/kg	0.033333
12 August 1992	99777	ND	0.67	mg/kg	33.33330
13 August 1992	A9013	ND	0.67	mg/kg	0.033333
17 August 1992	99845	ND	0.67	mg/kg	33.33330
18 August 1992	99864	ND	0.67	mg/kg	33.33330
22 August 1992	99940	ND	0.67	mg/kg	0.033333
24 August 1992	99959	ND	6.7	mg/kg	0.333333
29 August 1992	B8247	ND	0.67	mg/kg	0.033333
31 August 1992	B8266	ND	0.67	mg/kg	0.033333
7 September 1992	A9291	ND	0.67	mg/kg	0.033333
10 September 1992	B8457	ND	0.67	mg/kg	0.033333
14 September 1992	B8504	ND	0.67	mg/kg	0.033333
16 September 1992	B8561	ND	2	mg/kg	0.1
21 September 1992	A9545	ND	20	mg/kg	1
23 September 1992	B8673	ND	0.67	mg/kg	0.033333

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : 3,3'-Dichlorobenzidine, cont.					
Type of Blank : Method Blank					
23 September 1992	A9602	ND	0.67	mg/kg	0.033333
14 October 1992	B8997	ND	0.67	mg/kg	0.033333
16 October 1992	C8028	ND	0.67	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 20

Method : SW8270					
Analyte : 3,3'-Dichlorobenzidine					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.67	ug/g	0.033333
5 August 1992	99631	ND	0.67	ug/g	0.033333
6 August 1992	99666	ND	0.67	ug/g	0.033333
9 August 1992	99721	ND	20	ug/g	1
10 August 1992	99739	ND	0.67	ug/g	0.033333
11 August 1992	99758	ND	0.67	ug/g	0.033333
12 August 1992	A8994	ND	0.67	ug/g	0.033333
12 August 1992	99777	ND	0.67	ug/g	33.33330
13 August 1992	A9013	ND	0.67	ug/g	0.033333
17 August 1992	99845	ND	0.67	ug/g	33.33330
18 August 1992	99864	ND	0.67	ug/g	33.33330
22 August 1992	99940	ND	0.67	ug/g	0.033333
24 August 1992	99959	ND	6.7	ug/g	0.333333
29 August 1992	B8247	ND	0.67	ug/g	0.033333
31 August 1992	B8266	ND	0.67	ug/g	0.033333
7 September 1992	A9291	ND	0.67	ug/g	0.033333
10 September 1992	B8457	ND	0.67	ug/g	0.033333
14 September 1992	B8504	ND	0.67	ug/g	0.033333
16 September 1992	B8561	ND	2	ug/g	0.1
21 September 1992	A9545	ND	20	ug/g	1
23 September 1992	A9602	ND	0.67	ug/g	0.033333
23 September 1992	B8673	ND	0.67	ug/g	0.033333
14 October 1992	B8997	ND	0.67	ug/g	0.033333
16 October 1992	C8028	ND	0.67	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 20

Method : SW8270					
Analyte : 3,3'-Dichlorobenzidine					
Type of Blank : Method Blank					
12 August 1992	99777	ND	670	ug/kg	33.33330
17 August 1992	99845	ND	670	ug/kg	33.33330
18 August 1992	99864	ND	670	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270 Analyte : 3,3'-Dichlorobenzidine, cont. Type of Blank : Method Blank Total Number above Reporting Limit = 0 Maximum Reporting Limit = 670					
Method : SW8270 Analyte : 3-Nitroaniline Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	mg/kg	0.033333
5 August 1992	99631	ND	1.7	mg/kg	0.033333
6 August 1992	99666	ND	1.7	mg/kg	0.033333
9 August 1992	99721	ND	50	mg/kg	1
10 August 1992	99739	ND	1.7	mg/kg	0.033333
11 August 1992	99758	ND	1.7	mg/kg	0.033333
12 August 1992	A8994	ND	1.7	mg/kg	0.033333
12 August 1992	99777	ND	1.7	mg/kg	33.33330
13 August 1992	A9013	ND	1.7	mg/kg	0.033333
17 August 1992	99845	ND	1.7	mg/kg	33.33330
18 August 1992	99864	ND	1.7	mg/kg	33.33330
22 August 1992	99940	ND	1.7	mg/kg	0.033333
24 August 1992	99959	ND	17	mg/kg	0.333333
29 August 1992	B8247	ND	1.7	mg/kg	0.033333
31 August 1992	B8266	ND	1.7	mg/kg	0.033333
7 September 1992	A9291	ND	1.7	mg/kg	0.033333
10 September 1992	B8457	ND	1.7	mg/kg	0.033333
14 September 1992	B8504	ND	1.7	mg/kg	0.033333
16 September 1992	B8561	ND	5	mg/kg	0.1
21 September 1992	A9545	ND	50	mg/kg	1
23 September 1992	B8673	ND	1.7	mg/kg	0.033333
23 September 1992	A9602	ND	1.7	mg/kg	0.033333
14 October 1992	B8997	ND	1.7	mg/kg	0.033333
16 October 1992	C8028	ND	1.7	mg/kg	0.033333
Total Number of Blanks = 24 Total Number above Reporting Limit = 0 Concentration Range NC Maximum Reporting Limit = 50					
Method : SW8270 Analyte : 3-Nitroaniline Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	ug/g	0.033333
5 August 1992	99631	ND	1.7	ug/g	0.033333
6 August 1992	99666	ND	1.7	ug/g	0.033333
9 August 1992	99721	ND	50	ug/g	1
10 August 1992	99739	ND	1.7	ug/g	0.033333
11 August 1992	99758	ND	1.7	ug/g	0.033333
12 August 1992	99777	ND	1.7	ug/g	33.33330
12 August 1992	A8994	ND	1.7	ug/g	0.033333
13 August 1992	A9013	ND	1.7	ug/g	0.033333
17 August 1992	99845	ND	1.7	ug/g	33.33330

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 3-Nitroaniline, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	ND	1.7	ug/g	33.33330
22 August 1992	99940	ND	1.7	ug/g	0.033333
24 August 1992	99959	ND	17	ug/g	0.333333
29 August 1992	B8247	ND	1.7	ug/g	0.033333
31 August 1992	B8266	ND	1.7	ug/g	0.033333
7 September 1992	A9291	ND	1.7	ug/g	0.033333
10 September 1992	B8457	ND	1.7	ug/g	0.033333
14 September 1992	B8504	ND	1.7	ug/g	0.033333
16 September 1992	B8561	ND	5	ug/g	0.1
21 September 1992	A9545	ND	50	ug/g	1
23 September 1992	A9602	ND	1.7	ug/g	0.033333
23 September 1992	B8673	ND	1.7	ug/g	0.033333
14 October 1992	B8997	ND	1.7	ug/g	0.033333
16 October 1992	C8028	ND	1.7	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 50

Method : SW8270					
Analyte : 3-Nitroaniline					
Type of Blank : Method Blank					
12 August 1992	99777	ND	1700	ug/kg	33.33330
17 August 1992	99845	ND	1700	ug/kg	33.33330
18 August 1992	99864	ND	1700	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1700

Method : SW8270					
Analyte : 4,6-Dinitro-2-methylphenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	mg/kg	0.033333
5 August 1992	99631	ND	1.7	mg/kg	0.033333
6 August 1992	99666	ND	1.7	mg/kg	0.033333
9 August 1992	99721	ND	50	mg/kg	1
10 August 1992	99739	ND	1.7	mg/kg	0.033333
11 August 1992	99758	ND	1.7	mg/kg	0.033333
12 August 1992	99777	ND	1.7	mg/kg	33.33330
12 August 1992	A8994	ND	1.7	mg/kg	0.033333
13 August 1992	A9013	ND	1.7	mg/kg	0.033333
17 August 1992	99845	ND	1.7	mg/kg	33.33330
18 August 1992	99864	ND	1.7	mg/kg	33.33330
22 August 1992	99940	ND	1.7	mg/kg	0.033333
24 August 1992	99959	ND	17	mg/kg	0.333333
29 August 1992	B8247	ND	1.7	mg/kg	0.033333
31 August 1992	B8266	ND	1.7	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 4,6-Dinitro-2-methylphenol, cont.					
Type of Blank : Method Blank					
7 September 1992	A9291	ND	1.7	mg/kg	0.033333
10 September 1992	B8457	ND	1.7	mg/kg	0.033333
14 September 1992	B8504	ND	1.7	mg/kg	0.033333
16 September 1992	B8561	ND	5	mg/kg	0.1
21 September 1992	A9545	ND	50	mg/kg	1
23 September 1992	B8673	ND	1.7	mg/kg	0.033333
23 September 1992	A9602	ND	1.7	mg/kg	0.033333
14 October 1992	B8997	ND	1.7	mg/kg	0.033333
16 October 1992	C8028	ND	1.7	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 50

Method : SW8270					
Analyte : 4,6-Dinitro-2-methylphenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	ug/g	0.033333
5 August 1992	99631	ND	1.7	ug/g	0.033333
6 August 1992	99666	ND	1.7	ug/g	0.033333
9 August 1992	99721	ND	50	ug/g	1
10 August 1992	99739	ND	1.7	ug/g	0.033333
11 August 1992	99758	ND	1.7	ug/g	0.033333
12 August 1992	A8994	ND	1.7	ug/g	0.033333
12 August 1992	99777	ND	1.7	ug/g	33.33330
13 August 1992	A9013	ND	1.7	ug/g	0.033333
17 August 1992	99845	ND	1.7	ug/g	33.33330
18 August 1992	99864	ND	1.7	ug/g	33.33330
22 August 1992	99940	ND	1.7	ug/g	0.033333
24 August 1992	99959	ND	17	ug/g	0.333333
29 August 1992	B8247	ND	1.7	ug/g	0.033333
31 August 1992	B8266	ND	1.7	ug/g	0.033333
7 September 1992	A9291	ND	1.7	ug/g	0.033333
10 September 1992	B8457	ND	1.7	ug/g	0.033333
14 September 1992	B8504	ND	1.7	ug/g	0.033333
16 September 1992	B8561	ND	5	ug/g	0.1
21 September 1992	A9545	ND	50	ug/g	1
23 September 1992	A9602	ND	1.7	ug/g	0.033333
23 September 1992	B8673	ND	1.7	ug/g	0.033333
14 October 1992	B8997	ND	1.7	ug/g	0.033333
16 October 1992	C8028	ND	1.7	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 50

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 4,6-Dinitro-2-methylphenol					
Type of Blank : Method Blank					
12 August 1992	99777	ND	1700	ug/kg	33.33330
17 August 1992	99845	ND	1700	ug/kg	33.33330
18 August 1992	99864	ND	1700	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1700

Method : SW8270					
Analyte : 4-Bromophenyl phenyl ether					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.033333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 4-Bromophenyl phenyl ether					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 4-Bromophenyl phenyl ether, cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270

Analyte : 4-Bromophenyl phenyl ether

Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270

Analyte : 4-Chloro-3-methylphenol

Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8270					
Analyte : 4-Chloro-3-methylphenol, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 4-Chloro-3-methylphenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 4-Chloro-3-methylphenol, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : SW8270					
Analyte : 4-Chloro-3-methylphenol					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
Total Number of Blanks = 3		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 330			
Method : SW8270					
Analyte : 4-Chlorophenyl phenyl ether					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
Total Number of Blanks = 24		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : 4-Chlorophenyl phenyl ether					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270

Analyte : 4-Chlorophenyl phenyl ether

Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270

Analyte : 4-Methylphenol(p-cresol)

Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333



TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 4-Methylphenol(p-cresol), cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 4-Methylphenol(p-cresol)					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : 4-Methylphenol(p-cresol), cont.					
Type of Blank : Method Blank					
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : 4-Methylphenol(p-cresol)					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : 4-Nitroaniline					
Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	mg/kg	0.033333
5 August 1992	99631	ND	1.7	mg/kg	0.033333
6 August 1992	99666	ND	1.7	mg/kg	0.033333
9 August 1992	99721	ND	50	mg/kg	1
10 August 1992	99739	ND	1.7	mg/kg	0.033333
11 August 1992	99758	ND	1.7	mg/kg	0.033333
12 August 1992	99777	ND	1.7	mg/kg	33.33330
12 August 1992	A8994	ND	1.7	mg/kg	0.033333
13 August 1992	A9013	ND	1.7	mg/kg	0.033333
17 August 1992	99845	ND	1.7	mg/kg	33.33330
18 August 1992	99864	ND	1.7	mg/kg	33.33330
22 August 1992	99940	ND	1.7	mg/kg	0.033333
24 August 1992	99959	ND	17	mg/kg	0.333333
29 August 1992	B8247	ND	1.7	mg/kg	0.033333
31 August 1992	B8266	ND	1.7	mg/kg	0.033333
7 September 1992	A9291	ND	1.7	mg/kg	0.033333
10 September 1992	B8457	ND	1.7	mg/kg	0.033333
14 September 1992	B8504	ND	1.7	mg/kg	0.033333
16 September 1992	B8561	ND	5	mg/kg	0.1
21 September 1992	A9545	ND	50	mg/kg	1
23 September 1992	A9602	ND	1.7	mg/kg	0.033333
23 September 1992	B8673	ND	1.7	mg/kg	0.033333
14 October 1992	B8997	ND	1.7	mg/kg	0.033333
16 October 1992	C8028	ND	1.7	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 4-Nitroaniline, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 50		
Method : SW8270					
Analyte : 4-Nitroaniline					
Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	ug/g	0.033333
5 August 1992	99631	ND	1.7	ug/g	0.033333
6 August 1992	99666	ND	1.7	ug/g	0.033333
9 August 1992	99721	ND	50	ug/g	1
10 August 1992	99739	ND	1.7	ug/g	0.033333
11 August 1992	99758	ND	1.7	ug/g	0.033333
12 August 1992	99777	ND	1.7	ug/g	33.33330
12 August 1992	A8994	ND	1.7	ug/g	0.033333
13 August 1992	A9013	ND	1.7	ug/g	0.033333
17 August 1992	99845	ND	1.7	ug/g	33.33330
18 August 1992	99864	ND	1.7	ug/g	33.33330
22 August 1992	99940	ND	1.7	ug/g	0.033333
24 August 1992	99959	ND	17	ug/g	0.333333
29 August 1992	B8247	ND	1.7	ug/g	0.033333
31 August 1992	B8266	ND	1.7	ug/g	0.033333
7 September 1992	A9291	ND	1.7	ug/g	0.033333
10 September 1992	B8457	ND	1.7	ug/g	0.033333
14 September 1992	B8504	ND	1.7	ug/g	0.033333
16 September 1992	B8561	ND	5	ug/g	0.1
21 September 1992	A9545	ND	50	ug/g	1
23 September 1992	A9602	ND	1.7	ug/g	0.033333
23 September 1992	B8673	ND	1.7	ug/g	0.033333
14 October 1992	B8997	ND	1.7	ug/g	0.033333
16 October 1992	C8028	ND	1.7	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 50

Method : SW8270

Analyte : 4-Nitroaniline

Type of Blank : Method Blank

12 August 1992	99777	ND	1700	ug/kg	33.33330
17 August 1992	99845	ND	1700	ug/kg	33.33330
18 August 1992	99864	ND	1700	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1700

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : 4-Nitrophenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	mg/kg	0.033333
5 August 1992	99631	ND	1.7	mg/kg	0.033333
6 August 1992	99666	ND	1.7	mg/kg	0.033333
9 August 1992	99721	ND	50	mg/kg	1
10 August 1992	99739	ND	1.7	mg/kg	0.033333
11 August 1992	99758	ND	1.7	mg/kg	0.033333
12 August 1992	99777	ND	1.7	mg/kg	33.33330
12 August 1992	A8994	ND	1.7	mg/kg	0.033333
13 August 1992	A9013	ND	1.7	mg/kg	0.033333
17 August 1992	99845	ND	1.7	mg/kg	33.33330
18 August 1992	99864	ND	1.7	mg/kg	33.33330
22 August 1992	99940	ND	1.7	mg/kg	0.033333
24 August 1992	99959	ND	17	mg/kg	0.333333
29 August 1992	B8247	ND	1.7	mg/kg	0.033333
31 August 1992	B8266	ND	1.7	mg/kg	0.033333
7 September 1992	A9291	ND	1.7	mg/kg	0.033333
10 September 1992	B8457	ND	1.7	mg/kg	0.033333
14 September 1992	B8504	ND	1.7	mg/kg	0.033333
16 September 1992	B8561	ND	5	mg/kg	0.1
21 September 1992	A9545	ND	50	mg/kg	1
23 September 1992	A9602	ND	1.7	mg/kg	0.033333
23 September 1992	B8673	ND	1.7	mg/kg	0.033333
14 October 1992	B8997	ND	1.7	mg/kg	0.033333
16 October 1992	C8028	ND	1.7	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 50

Method : SW8270

Analyte : 4-Nitrophenol

Type of Blank : Method Blank

23 July 1992	99479	ND	1.7	ug/g	0.033333
5 August 1992	99631	ND	1.7	ug/g	0.033333
6 August 1992	99666	ND	1.7	ug/g	0.033333
9 August 1992	99721	ND	50	ug/g	1
10 August 1992	99739	ND	1.7	ug/g	0.033333
11 August 1992	99758	ND	1.7	ug/g	0.033333
12 August 1992	99777	ND	1.7	ug/g	33.33330
12 August 1992	A8994	ND	1.7	ug/g	0.033333
13 August 1992	A9013	ND	1.7	ug/g	0.033333
17 August 1992	99845	ND	1.7	ug/g	33.33330
18 August 1992	99864	ND	1.7	ug/g	33.33330
22 August 1992	99940	ND	1.7	ug/g	0.033333
24 August 1992	99959	ND	17	ug/g	0.333333
29 August 1992	B8247	ND	1.7	ug/g	0.033333
31 August 1992	B8266	ND	1.7	ug/g	0.033333
7 September 1992	A9291	ND	1.7	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : 4-Nitrophenol, cont.					
Type of Blank : Method Blank					
10 September 1992	B8457	ND	1.7	ug/g	0.033333
14 September 1992	B8504	ND	1.7	ug/g	0.033333
16 September 1992	B8561	ND	5	ug/g	0.1
21 September 1992	A9545	ND	50	ug/g	1
23 September 1992	A9602	ND	1.7	ug/g	0.033333
23 September 1992	B8673	ND	1.7	ug/g	0.033333
14 October 1992	B8997	ND	1.7	ug/g	0.033333
16 October 1992	C8028	ND	1.7	ug/g	0.033333

Total Number of Blanks = 24  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 50

Method : SW8270					
Analyte : 4-Nitrophenol					
Type of Blank : Method Blank					
12 August 1992	99777	ND	1700	ug/kg	33.33330
17 August 1992	99845	ND	1700	ug/kg	33.33330
18 August 1992	99864	ND	1700	ug/kg	33.33330

Total Number of Blanks = 3  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 1700

Method : SW8270					
Analyte : Acenaphthene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Acenaphthene, cont.					
Type of Blank : Method Blank					
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Acenaphthene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Acenaphthene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Acenaphthene, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 330			
Method : SW8270					
Analyte : Acenaphthylene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
Total Number of Blanks = 24		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : SW8270					
Analyte : Acenaphthylene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Acenaphthylene, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Acenaphthylene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : Anthracene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Anthracene, cont.					
Type of Blank : Method Blank					
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Anthracene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Anthracene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : Benzo(a)anthracene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Benzo(a)anthracene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Benzo(a)anthracene, cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 10

Method : SW8270  
Analyte : Benzo(a)anthracene  
Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 330

Method : SW8270  
Analyte : Benzo(a)pyrene  
Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Benzo(a)pyrene, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Benzo(a)pyrene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
<p>Method : SW8270</p> <p>Analyte : Benzo(a)pyrene, cont.</p> <p>Type of Blank : Method Blank</p> <p>Total Number above Reporting Limit = 0</p> <p>Maximum Reporting Limit = 10</p>					
<p>Method : SW8270</p> <p>Analyte : Benzo(a)pyrene</p> <p>Type of Blank : Method Blank</p>					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
<p>Total Number of Blanks = 3</p> <p>Total Number above Reporting Limit = 0</p> <p>Concentration Range NC</p> <p>Maximum Reporting Limit = 330</p>					
<p>Method : SW8270</p> <p>Analyte : Benzo(b)fluoranthene</p> <p>Type of Blank : Method Blank</p>					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
<p>Total Number of Blanks = 24</p> <p>Total Number above Reporting Limit = 0</p> <p>Concentration Range NC</p> <p>Maximum Reporting Limit = 10</p>					

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Benzo(b)fluoranthene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270

Analyte : Benzo(b)fluoranthene

Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270

Analyte : Benzo(g,h,i)perylene

Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Benzo(g,h,i)perylene, cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	0.041	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Benzo(g,h,i)perylene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	0.041	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Benzo(g,h,i)perylene, cont.					
Type of Blank : Method Blank					
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333
-----					
Total Number of Blanks = 24		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : SW8270					
Analyte : Benzo(g,h,i)perylene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	41	330	ug/kg	33.33330
-----					
Total Number of Blanks = 3		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 330			
Method : SW8270					
Analyte : Benzo(k)fluoranthene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
-----					
Total Number of Blanks = 24		Concentration Range NC			



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Benzo(k)fluoranthene, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : SW8270					
Analyte : Benzo(k)fluoranthene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270

Analyte : Benzo(k)fluoranthene

Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Benzoic acid					
Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	mg/kg	0.033333
5 August 1992	99631	ND	1.7	mg/kg	0.033333
6 August 1992	99666	ND	1.7	mg/kg	0.033333
9 August 1992	99721	ND	50	mg/kg	1
10 August 1992	99739	ND	1.7	mg/kg	0.033333
11 August 1992	99758	ND	1.7	mg/kg	0.033333
12 August 1992	99777	ND	1.7	mg/kg	33.33330
12 August 1992	A8994	ND	1.7	mg/kg	0.033333
13 August 1992	A9013	ND	1.7	mg/kg	0.033333
17 August 1992	99845	ND	1.7	mg/kg	33.33330
18 August 1992	99864	ND	1.7	mg/kg	33.33330
22 August 1992	99940	ND	1.7	mg/kg	0.033333
24 August 1992	99959	ND	17	mg/kg	0.333333
29 August 1992	B8247	ND	1.7	mg/kg	0.033333
31 August 1992	B8266	ND	1.7	mg/kg	0.033333
7 September 1992	A9291	ND	1.7	mg/kg	0.033333
10 September 1992	B8457	ND	1.7	mg/kg	0.033333
14 September 1992	B8504	ND	1.7	mg/kg	0.033333
16 September 1992	B8561	ND	5	mg/kg	0.1
21 September 1992	A9545	ND	50	mg/kg	1
23 September 1992	B8673	ND	1.7	mg/kg	0.033333
23 September 1992	A9602	ND	1.7	mg/kg	0.033333
14 October 1992	B8997	ND	1.7	mg/kg	0.033333
16 October 1992	C8028	ND	1.7	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 50

Method : SW8270  
 Analyte : Benzoic acid  
 Type of Blank : Method Blank

23 July 1992	99479	ND	1.7	ug/g	0.033333
5 August 1992	99631	ND	1.7	ug/g	0.033333
6 August 1992	99666	ND	1.7	ug/g	0.033333
9 August 1992	99721	ND	50	ug/g	1
10 August 1992	99739	ND	1.7	ug/g	0.033333
11 August 1992	99758	ND	1.7	ug/g	0.033333
12 August 1992	99777	ND	1.7	ug/g	33.33330
12 August 1992	A8994	ND	1.7	ug/g	0.033333
13 August 1992	A9013	ND	1.7	ug/g	0.033333
17 August 1992	99845	ND	1.7	ug/g	33.33330
18 August 1992	99864	ND	1.7	ug/g	33.33330
22 August 1992	99940	ND	1.7	ug/g	0.033333
24 August 1992	99959	ND	17	ug/g	0.333333
29 August 1992	B8247	ND	1.7	ug/g	0.033333
31 August 1992	B8266	ND	1.7	ug/g	0.033333
7 September 1992	A9291	ND	1.7	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Benzoic acid, cont.					
Type of Blank : Method Blank					
10 September 1992	B8457	ND	1.7	ug/g	0.033333
14 September 1992	B8504	ND	1.7	ug/g	0.033333
16 September 1992	B8561	ND	5	ug/g	0.1
21 September 1992	A9545	ND	50	ug/g	1
23 September 1992	B8673	ND	1.7	ug/g	0.033333
23 September 1992	A9602	ND	1.7	ug/g	0.033333
14 October 1992	B8997	ND	1.7	ug/g	0.033333
16 October 1992	C8028	ND	1.7	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 50

Method : SW8270					
Analyte : Benzoic acid					
Type of Blank : Method Blank					
12 August 1992	99777	ND	1700	ug/kg	33.33330
17 August 1992	99845	ND	1700	ug/kg	33.33330
18 August 1992	99864	ND	1700	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1700

Method : SW8270					
Analyte : Benzyl alcohol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Benzyl alcohol, cont.					
Type of Blank : Method Blank					
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Benzyl alcohol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Benzyl alcohol					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Benzyl alcohol, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 330		
Method : SW8270					
Analyte : Butylbenzylphthalate					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Butylbenzylphthalate					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Butylbenzylphthalate, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Butylbenzylphthalate					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : Chrysene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Chrysene, cont.					
Type of Blank : Method Blank					
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Chrysene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Chrysene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : Di-n-octylphthalate					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Di-n-octylphthalate					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Di-n-octylphthalate, cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Di-n-octylphthalate					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : Dibenz(a,h)anthracene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Dibenz(a,h)anthracene, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	0.056	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	88247	ND	0.33	mg/kg	0.033333
31 August 1992	88266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Dibenz(a,h)anthracene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	0.056	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270 Analyte : Dibenz(a,h)anthracene, cont. Type of Blank : Method Blank Total Number above Reporting Limit = 0      Maximum Reporting Limit = 10					
Method : SW8270 Analyte : Dibenz(a,h)anthracene Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	56	330	ug/kg	33.33330
Total Number of Blanks = 3      Concentration Range NC Total Number above Reporting Limit = 0      Maximum Reporting Limit = 330					
Method : SW8270 Analyte : Dibenzofuran Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
Total Number of Blanks = 24      Concentration Range NC Total Number above Reporting Limit = 0      Maximum Reporting Limit = 10					

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Dibenzofuran					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270

Analyte : Dibenzofuran

Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270

Analyte : Dibutylphthalate

Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Dibutylphthalate, cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW8270  
 Analyte : Dibutylphthalate  
 Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Dibutylphthalate, cont.					
Type of Blank : Method Blank					
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333
Total Number of Blanks = 24		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : SW8270					
Analyte : Dibutylphthalate					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
Total Number of Blanks = 3		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 330			
Method : SW8270					
Analyte : Diethylphthalate					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
Total Number of Blanks = 24		Concentration Range NC			

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Diethylphthalate, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 10		
Method : SW8270					
Analyte : Diethylphthalate					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333
-----					
Total Number of Blanks = 24			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 10		
Method : SW8270					
Analyte : Diethylphthalate					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
-----					
Total Number of Blanks = 3			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 330		

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Dimethylphthalate					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270

Analyte : Dimethylphthalate

Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Dimethylphthalate, cont.					
Type of Blank : Method Blank					
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Dimethylphthalate					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : Fluoranthene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Fluoranthene, cont.					
Type of Blank : Method Blank					
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Fluoranthene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Fluoranthene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Fluoranthene, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 330		
Method : SW8270					
Analyte : Fluorene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270

Analyte : Fluorene

Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Fluorene, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Fluorene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : Hexachlorobenzene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Hexachlorobenzene, cont.					
Type of Blank : Method Blank					
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Hexachlorobenzene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Hexachlorobenzene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : Hexachlorobutadiene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Hexachlorobutadiene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Hexachlorobutadiene, cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270

Analyte : Hexachlorobutadiene

Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270

Analyte : Hexachlorocyclopentadiene

Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Hexachlorocyclopentadiene, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Hexachlorocyclopentadiene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Hexachlorocyclopentadiene, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : SW8270					
Analyte : Hexachlorocyclopentadiene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
Total Number of Blanks = 3		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 330			
Method : SW8270					
Analyte : Hexachloroethane					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
Total Number of Blanks = 24		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Hexachloroethane					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270  
 Analyte : Hexachloroethane  
 Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270  
 Analyte : Indeno(1,2,3-cd)pyrene  
 Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Indeno(1,2,3-cd)pyrene, cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	0.06	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Indeno(1,2,3-cd)pyrene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	0.06	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Indeno(1,2,3-cd)pyrene, cont.					
Type of Blank : Method Blank					
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333
Total Number of Blanks = 24			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 10		
Method : SW8270					
Analyte : Indeno(1,2,3-cd)pyrene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	60	330	ug/kg	33.33330
Total Number of Blanks = 3			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 330		
Method : SW8270					
Analyte : Isophorone					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
Total Number of Blanks = 24			Concentration Range NC		

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Isophorone, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : SW8270					
Analyte : Isophorone					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270

Analyte : Isophorone

Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : N-Nitrosodiphenylamine					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270  
 Analyte : N-Nitrosodiphenylamine  
 Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
<hr/>					
Method : SW8270					
Analyte : N-Nitrosodiphenylamine, cont.					
Type of Blank : Method Blank					
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333
<hr/>					
Total Number of Blanks = 24		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
<hr/>					
Method : SW8270					
Analyte : N-Nitrosodiphenylamine					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
<hr/>					
Total Number of Blanks = 3		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 330			
<hr/>					
Method : SW8270					
Analyte : N-Nitrosodipropylamine					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : N-Nitrosodipropylamine, cont.					
Type of Blank : Method Blank					
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : N-Nitrosodipropylamine					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : N-Nitrosodipropylamine					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : N-Nitrosodipropylamine, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 330			
Method : SW8270					
Analyte : Naphthalene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270

Analyte : Naphthalene

Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Naphthalene, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Naphthalene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : Nitrobenzene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Nitrobenzene, cont.					
Type of Blank : Method Blank					
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Nitrobenzene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 10

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Nitrobenzene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : Pentachlorophenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	mg/kg	0.033333
5 August 1992	99631	ND	1.7	mg/kg	0.033333
6 August 1992	99666	ND	1.7	mg/kg	0.033333
9 August 1992	99721	ND	50	mg/kg	1
10 August 1992	99739	ND	1.7	mg/kg	0.033333
11 August 1992	99758	ND	1.7	mg/kg	0.033333
12 August 1992	99777	ND	1.7	mg/kg	33.33330
12 August 1992	A8994	ND	1.7	mg/kg	0.033333
13 August 1992	A9013	ND	1.7	mg/kg	0.033333
17 August 1992	99845	ND	1.7	mg/kg	33.33330
18 August 1992	99864	ND	1.7	mg/kg	33.33330
22 August 1992	99940	ND	1.7	mg/kg	0.033333
24 August 1992	99959	ND	17	mg/kg	0.333333
29 August 1992	B8247	ND	1.7	mg/kg	0.033333
31 August 1992	B8266	ND	1.7	mg/kg	0.033333
7 September 1992	A9291	ND	1.7	mg/kg	0.033333
10 September 1992	B8457	ND	1.7	mg/kg	0.033333
14 September 1992	B8504	ND	1.7	mg/kg	0.033333
16 September 1992	B8561	ND	5	mg/kg	0.1
21 September 1992	A9545	ND	50	mg/kg	1
23 September 1992	A9602	ND	1.7	mg/kg	0.033333
23 September 1992	B8673	ND	1.7	mg/kg	0.033333
14 October 1992	B8997	ND	1.7	mg/kg	0.033333
16 October 1992	C8028	ND	1.7	mg/kg	0.033333

Total Number of Blanks = 24

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 50

Method : SW8270					
Analyte : Pentachlorophenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	1.7	ug/g	0.033333
5 August 1992	99631	ND	1.7	ug/g	0.033333
6 August 1992	99666	ND	1.7	ug/g	0.033333
9 August 1992	99721	ND	50	ug/g	1
10 August 1992	99739	ND	1.7	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Pentachlorophenol, cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	1.7	ug/g	0.033333
12 August 1992	99777	ND	1.7	ug/g	33.33330
12 August 1992	A8994	ND	1.7	ug/g	0.033333
13 August 1992	A9013	ND	1.7	ug/g	0.033333
17 August 1992	99845	ND	1.7	ug/g	33.33330
18 August 1992	99864	ND	1.7	ug/g	33.33330
22 August 1992	99940	ND	1.7	ug/g	0.033333
24 August 1992	99959	ND	17	ug/g	0.333333
29 August 1992	B8247	ND	1.7	ug/g	0.033333
31 August 1992	B8266	ND	1.7	ug/g	0.033333
7 September 1992	A9291	ND	1.7	ug/g	0.033333
10 September 1992	B8457	ND	1.7	ug/g	0.033333
14 September 1992	B8504	ND	1.7	ug/g	0.033333
16 September 1992	B8561	ND	5	ug/g	0.1
21 September 1992	A9545	ND	50	ug/g	1
23 September 1992	B8673	ND	1.7	ug/g	0.033333
23 September 1992	A9602	ND	1.7	ug/g	0.033333
14 October 1992	B8997	ND	1.7	ug/g	0.033333
16 October 1992	C8028	ND	1.7	ug/g	0.033333

Total Number of Blanks = 24  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 50

Method : SW8270  
Analyte : Pentachlorophenol  
Type of Blank : Method Blank

12 August 1992	99777	ND	1700	ug/kg	33.33330
17 August 1992	99845	ND	1700	ug/kg	33.33330
18 August 1992	99864	ND	1700	ug/kg	33.33330

Total Number of Blanks = 3  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 1700

Method : SW8270  
Analyte : Phenanthrene  
Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Phenanthrene, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Phenanthrene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Phenanthrene, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : SW8270					
Analyte : Phenanthrene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
Total Number of Blanks = 3		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 330			
Method : SW8270					
Analyte : Phenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
Total Number of Blanks = 24		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Phenol					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270

Analyte : Phenol

Type of Blank : Method Blank

12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270

Analyte : Pyrene

Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333



TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : Pyrene, cont.					
Type of Blank : Method Blank					
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : Pyrene					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : Pyrene, cont.					
Type of Blank : Method Blank					
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333
-----					
Total Number of Blanks = 24		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : SW8270					
Analyte : Pyrene					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
-----					
Total Number of Blanks = 3		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 330			
Method : SW8270					
Analyte : bis(2-Chloroethoxy)methane					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
-----					
Total Number of Blanks = 24		Concentration Range NC			

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : bis(2-Chloroethoxy)methane, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : SW8270					
Analyte : bis(2-Chloroethoxy)methane					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : bis(2-Chloroethoxy)methane					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : bis(2-Chloroethyl)ether					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270

Analyte : bis(2-Chloroethyl)ether

Type of Blank : Method Blank

23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
12 August 1992	A8994	ND	0.33	ug/g	0.033333
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333

TABLE A-1

DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : bis(2-Chloroethyl)ether, cont.					
Type of Blank : Method Blank					
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 10

Method : SW8270					
Analyte : bis(2-Chloroethyl)ether					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 330

Method : SW8270					
Analyte : bis(2-Chloroisopropyl)ether					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : bis(2-Chloroisopropyl)ether, cont.					
Type of Blank : Method Blank					
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : bis(2-Chloroisopropyl)ether					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : bis(2-Chloroisopropyl)ether					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : bis(2-Chloroisopropyl)ether, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 330		
Method : SW8270					
Analyte : bis(2-Ethylhexyl)phthalate					
Type of Blank : Method Blank					
23 July 1992	99479	0.047	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	0.03	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	0.064	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	0.12	0.33	mg/kg	33.33330
18 August 1992	99864	0.024	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333
7 September 1992	A9291	0.018	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333
-----					
Total Number of Blanks = 24			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 10		
Method : SW8270					
Analyte : bis(2-Ethylhexyl)phthalate					
Type of Blank : Method Blank					
23 July 1992	99479	0.047	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	0.03	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	0.064	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	0.12	0.33	ug/g	33.33330

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8270					
Analyte : bis(2-Ethylhexyl)phthalate, cont.					
Type of Blank : Method Blank					
18 August 1992	99864	0.024	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	0.018	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	A9602	ND	0.33	ug/g	0.033333
23 September 1992	B8673	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : bis(2-Ethylhexyl)phthalate					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	120	330	ug/kg	33.33330
18 August 1992	99864	24	330	ug/kg	33.33330

Total Number of Blanks = 3

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 330

Method : SW8270					
Analyte : p-Chloroaniline					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	mg/kg	0.033333
5 August 1992	99631	ND	0.33	mg/kg	0.033333
6 August 1992	99666	ND	0.33	mg/kg	0.033333
9 August 1992	99721	ND	10	mg/kg	1
10 August 1992	99739	ND	0.33	mg/kg	0.033333
11 August 1992	99758	ND	0.33	mg/kg	0.033333
12 August 1992	A8994	ND	0.33	mg/kg	0.033333
12 August 1992	99777	ND	0.33	mg/kg	33.33330
13 August 1992	A9013	ND	0.33	mg/kg	0.033333
17 August 1992	99845	ND	0.33	mg/kg	33.33330
18 August 1992	99864	ND	0.33	mg/kg	33.33330
22 August 1992	99940	ND	0.33	mg/kg	0.033333
24 August 1992	99959	ND	3.3	mg/kg	0.333333
29 August 1992	B8247	ND	0.33	mg/kg	0.033333
31 August 1992	B8266	ND	0.33	mg/kg	0.033333



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : p-Chloroaniline, cont.					
Type of Blank : Method Blank					
7 September 1992	A9291	ND	0.33	mg/kg	0.033333
10 September 1992	B8457	ND	0.33	mg/kg	0.033333
14 September 1992	B8504	ND	0.33	mg/kg	0.033333
16 September 1992	B8561	ND	1	mg/kg	0.1
21 September 1992	A9545	ND	10	mg/kg	1
23 September 1992	A9602	ND	0.33	mg/kg	0.033333
23 September 1992	B8673	ND	0.33	mg/kg	0.033333
14 October 1992	B8997	ND	0.33	mg/kg	0.033333
16 October 1992	C8028	ND	0.33	mg/kg	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

Method : SW8270					
Analyte : p-Chloroaniline					
Type of Blank : Method Blank					
23 July 1992	99479	ND	0.33	ug/g	0.033333
5 August 1992	99631	ND	0.33	ug/g	0.033333
6 August 1992	99666	ND	0.33	ug/g	0.033333
9 August 1992	99721	ND	10	ug/g	1
10 August 1992	99739	ND	0.33	ug/g	0.033333
11 August 1992	99758	ND	0.33	ug/g	0.033333
12 August 1992	A8994	ND	0.33	ug/g	0.033333
12 August 1992	99777	ND	0.33	ug/g	33.33330
13 August 1992	A9013	ND	0.33	ug/g	0.033333
17 August 1992	99845	ND	0.33	ug/g	33.33330
18 August 1992	99864	ND	0.33	ug/g	33.33330
22 August 1992	99940	ND	0.33	ug/g	0.033333
24 August 1992	99959	ND	3.3	ug/g	0.333333
29 August 1992	B8247	ND	0.33	ug/g	0.033333
31 August 1992	B8266	ND	0.33	ug/g	0.033333
7 September 1992	A9291	ND	0.33	ug/g	0.033333
10 September 1992	B8457	ND	0.33	ug/g	0.033333
14 September 1992	B8504	ND	0.33	ug/g	0.033333
16 September 1992	B8561	ND	1	ug/g	0.1
21 September 1992	A9545	ND	10	ug/g	1
23 September 1992	B8673	ND	0.33	ug/g	0.033333
23 September 1992	A9602	ND	0.33	ug/g	0.033333
14 October 1992	B8997	ND	0.33	ug/g	0.033333
16 October 1992	C8028	ND	0.33	ug/g	0.033333

Total Number of Blanks = 24

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 10

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8270					
Analyte : p-Chloroaniline					
Type of Blank : Method Blank					
12 August 1992	99777	ND	330	ug/kg	33.33330
17 August 1992	99845	ND	330	ug/kg	33.33330
18 August 1992	99864	ND	330	ug/kg	33.33330
Total Number of Blanks = 3			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 330		
Method : SW8310					
Analyte : Acenaphthene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.18	mg/kg	100
19 August 1992	EC2HS12	ND	0.0018	mg/kg	1
24 August 1992	EC2HX3	ND	0.18	mg/kg	100
4 September 1992	EC2ID7	ND	0.06	mg/kg	33.33333
26 September 1992	EC2IY16	ND	0.06	mg/kg	33.33333
27 September 1992	EC2IY53	ND	0.06	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.06	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.06	mg/kg	33.33333
Total Number of Blanks = 3			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.18		
Method : SW8310					
Analyte : Acenaphthene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	180	ug/kg	100
19 August 1992	EC2HS12	ND	1.8	ug/kg	1
24 August 1992	EC2HX3	ND	180	ug/kg	100
4 September 1992	EC2ID7	ND	60	ug/kg	33.33333
26 September 1992	EC2IY16	ND	60	ug/kg	33.33333
27 September 1992	EC2IY53	ND	60	ug/kg	33.333
2 October 1992	EC2JB3	ND	60	ug/kg	33.33333
3 October 1992	EC2JB27	ND	60	ug/kg	33.33333
Total Number of Blanks = 8			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 180		
Method : SW8310					
Analyte : Acenaphthylene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.23	mg/kg	100
19 August 1992	EC2HS12	ND	0.0023	mg/kg	1
24 August 1992	EC2HX3	ND	0.23	mg/kg	100
4 September 1992	EC2ID7	ND	0.077	mg/kg	33.33333
26 September 1992	EC2IY16	ND	0.077	mg/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8310					
Analyte : Acenaphthylene, cont.					
Type of Blank : Method Blank					
27 September 1992	EC2IY53	ND	0.077	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.077	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.077	mg/kg	33.33333
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.23			
Method : SW8310					
Analyte : Acenaphthylene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	230	ug/kg	100
19 August 1992	EC2HS12	ND	2.3	ug/kg	1
24 August 1992	EC2HX3	ND	230	ug/kg	100
4 September 1992	EC2ID7	ND	77	ug/kg	33.33333
26 September 1992	EC2IY16	ND	77	ug/kg	33.33333
27 September 1992	EC2IY53	ND	77	ug/kg	33.333
2 October 1992	EC2JB3	ND	77	ug/kg	33.33333
3 October 1992	EC2JB27	ND	77	ug/kg	33.33333
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 230			
Method : SW8310					
Analyte : Anthracene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.066	mg/kg	100
19 August 1992	EC2HS12	ND	0.00066	mg/kg	1
24 August 1992	EC2HX3	ND	0.066	mg/kg	100
4 September 1992	EC2ID7	ND	0.022	mg/kg	33.33333
26 September 1992	EC2IY16	ND	0.022	mg/kg	33.33333
27 September 1992	EC2IY53	ND	0.022	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.022	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.022	mg/kg	33.33333
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.066			
Method : SW8310					
Analyte : Anthracene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	66	ug/kg	100
19 August 1992	EC2HS12	ND	0.66	ug/kg	1
24 August 1992	EC2HX3	ND	66	ug/kg	100
4 September 1992	EC2ID7	ND	22	ug/kg	33.33333
26 September 1992	EC2IY16	ND	22	ug/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8310					
Analyte : Anthracene, cont.					
Type of Blank : Method Blank					
27 September 1992	EC2IY53	ND	22	ug/kg	33.333
2 October 1992	EC2JB3	ND	22	ug/kg	33.33333
3 October 1992	EC2JB27	ND	22	ug/kg	33.33333
-----					
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 66			
Method : SW8310					
Analyte : Benzo(a)anthracene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.0013	mg/kg	100
19 August 1992	EC2HS12	ND	0.000013	mg/kg	1
24 August 1992	EC2HX3	ND	0.0013	mg/kg	100
4 September 1992	EC2ID7	ND	0.00043	mg/kg	33.33333
26 September 1992	EC2IY16	ND	0.00043	mg/kg	33.33333
27 September 1992	EC2IY53	ND	0.00043	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.00043	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.00043	mg/kg	33.33333
-----					
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0013			
Method : SW8310					
Analyte : Benzo(a)anthracene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	1.3	ug/kg	100
19 August 1992	EC2HS12	ND	0.013	ug/kg	1
24 August 1992	EC2HX3	ND	1.3	ug/kg	100
4 September 1992	EC2ID7	ND	0.43	ug/kg	33.33333
26 September 1992	EC2IY16	ND	0.43	ug/kg	33.33333
27 September 1992	EC2IY53	ND	0.43	ug/kg	33.333
2 October 1992	EC2JB3	ND	0.43	ug/kg	33.33333
3 October 1992	EC2JB27	ND	0.43	ug/kg	33.33333
-----					
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 1.3			
Method : SW8310					
Analyte : Benzo(a)pyrene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.0023	mg/kg	100
19 August 1992	EC2HS12	ND	0.000023	mg/kg	1
24 August 1992	EC2HX3	ND	0.0023	mg/kg	100
4 September 1992	EC2ID7	ND	0.00077	mg/kg	33.33333
26 September 1992	EC2IY16	ND	0.00077	mg/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8310					
Analyte : Benzo(a)pyrene, cont.					
Type of Blank : Method Blank					
27 September 1992	EC2IY53	ND	0.00077	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.00077	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.00077	mg/kg	33.33333

Total Number of Blanks = 8  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 0.0023

Method : SW8310					
Analyte : Benzo(a)pyrene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	2.3	ug/kg	100
19 August 1992	EC2HS12	ND	0.023	ug/kg	1
24 August 1992	EC2HX3	ND	2.3	ug/kg	100
4 September 1992	EC2ID7	ND	0.77	ug/kg	33.33333
26 September 1992	EC2IY16	ND	0.77	ug/kg	33.33333
27 September 1992	EC2IY53	ND	0.77	ug/kg	33.333
2 October 1992	EC2JB3	ND	0.77	ug/kg	33.33333
3 October 1992	EC2JB27	ND	0.77	ug/kg	33.33333

Total Number of Blanks = 8  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 2.3

Method : SW8310					
Analyte : Benzo(b)fluoranthene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.0018	mg/kg	100
19 August 1992	EC2HS12	ND	0.000018	mg/kg	1
24 August 1992	EC2HX3	ND	0.0018	mg/kg	100
4 September 1992	EC2ID7	ND	0.0006	mg/kg	33.33333
26 September 1992	EC2IY16	ND	0.0006	mg/kg	33.33333
27 September 1992	EC2IY53	ND	0.0006	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.0006	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.0006	mg/kg	33.33333

Total Number of Blanks = 8  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 0.0018

Method : SW8310					
Analyte : Benzo(b)fluoranthene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	1.8	ug/kg	100
19 August 1992	EC2HS12	ND	0.018	ug/kg	1
24 August 1992	EC2HX3	ND	1.8	ug/kg	100
4 September 1992	EC2ID7	ND	0.6	ug/kg	33.33333
26 September 1992	EC2IY16	ND	0.6	ug/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8310					
Analyte : Benzo(b)fluoranthene, cont.					
Type of Blank : Method Blank					
27 September 1992	EC2IY53	ND	0.6	ug/kg	33.333
2 October 1992	EC2JB3	ND	0.6	ug/kg	33.33333
3 October 1992	EC2JB27	ND	0.6	ug/kg	33.33333
Total Number of Blanks = 8			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 1.8		
Method : SW8310					
Analyte : Benzo(g,h,i)perylene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.0076	mg/kg	100
19 August 1992	EC2HS12	ND	0.000076	mg/kg	1
24 August 1992	EC2HX3	ND	0.0076	mg/kg	100
4 September 1992	EC2ID7	ND	0.0025	mg/kg	33.33333
26 September 1992	EC2IY16	ND	0.0025	mg/kg	33.33333
27 September 1992	EC2IY53	ND	0.0025	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.0025	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.0025	mg/kg	33.33333
Total Number of Blanks = 8			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0076		
Method : SW8310					
Analyte : Benzo(g,h,i)perylene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	7.6	ug/kg	100
19 August 1992	EC2HS12	ND	0.076	ug/kg	1
24 August 1992	EC2HX3	ND	7.6	ug/kg	100
4 September 1992	EC2ID7	ND	2.5	ug/kg	33.33333
26 September 1992	EC2IY16	ND	2.5	ug/kg	33.33333
27 September 1992	EC2IY53	ND	2.5	ug/kg	33.333
2 October 1992	EC2JB3	ND	2.5	ug/kg	33.33333
3 October 1992	EC2JB27	ND	2.5	ug/kg	33.33333
Total Number of Blanks = 8			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 7.6		
Method : SW8310					
Analyte : Benzo(k)fluoranthene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.0017	mg/kg	100
19 August 1992	EC2HS12	ND	0.000017	mg/kg	1
24 August 1992	EC2HX3	ND	0.0017	mg/kg	100
4 September 1992	EC2ID7	0.00011	0.00057	mg/kg	33.33333
26 September 1992	EC2IY16	ND	0.00057	mg/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8310					
Analyte : Benzo(k)fluoranthene, cont.					
Type of Blank : Method Blank					
27 September 1992	EC21Y53	ND	0.00057	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.00057	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.00057	mg/kg	33.33333
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0017			
Method : SW8310					
Analyte : Benzo(k)fluoranthene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	1.7	ug/kg	100
19 August 1992	EC2HS12	ND	0.017	ug/kg	1
24 August 1992	EC2HX3	ND	1.7	ug/kg	100
4 September 1992	EC2ID7	0.11	0.57	ug/kg	33.33333
26 September 1992	EC21Y16	ND	0.57	ug/kg	33.33333
27 September 1992	EC21Y53	ND	0.57	ug/kg	33.333
2 October 1992	EC2JB3	ND	0.57	ug/kg	33.33333
3 October 1992	EC2JB27	ND	0.57	ug/kg	33.33333
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 1.7			
Method : SW8310					
Analyte : Chrysene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.015	mg/kg	100
19 August 1992	EC2HS12	ND	0.00015	mg/kg	1
24 August 1992	EC2HX3	ND	0.015	mg/kg	100
4 September 1992	EC2ID7	ND	0.005	mg/kg	33.33333
26 September 1992	EC21Y16	ND	0.005	mg/kg	33.33333
27 September 1992	EC21Y53	ND	0.005	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.005	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.005	mg/kg	33.33333
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.015			
Method : SW8310					
Analyte : Chrysene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	15	ug/kg	100
19 August 1992	EC2HS12	ND	0.15	ug/kg	1
24 August 1992	EC2HX3	ND	15	ug/kg	100
4 September 1992	EC2ID7	ND	5	ug/kg	33.33333
26 September 1992	EC21Y16	ND	5	ug/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8310					
Analyte : Chrysene, cont.					
Type of Blank : Method Blank					
27 September 1992	EC21Y53	ND	5	ug/kg	33.333
2 October 1992	EC2JB3	ND	5	ug/kg	33.33333
3 October 1992	EC2JB27	ND	5	ug/kg	33.33333
-----					
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 15			
Method : SW8310					
Analyte : Dibenzo(a,h)anthracene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.003	mg/kg	100
19 August 1992	EC2HS12	ND	0.00003	mg/kg	1
24 August 1992	EC2HX3	ND	0.003	mg/kg	100
4 September 1992	EC2ID7	ND	0.001	mg/kg	33.33333
26 September 1992	EC21Y16	0.00038	0.001	mg/kg	33.33333
27 September 1992	EC21Y53	ND	0.001	mg/kg	33.333
2 October 1992	EC2JB3	0.00036	0.001	mg/kg	33.33333
3 October 1992	EC2JB27	0.00034	0.001	mg/kg	33.33333
-----					
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.003			
Method : SW8310					
Analyte : Dibenzo(a,h)anthracene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	3	ug/kg	100
19 August 1992	EC2HS12	ND	0.03	ug/kg	1
24 August 1992	EC2HX3	ND	3	ug/kg	100
4 September 1992	EC2ID7	ND	1	ug/kg	33.33333
26 September 1992	EC21Y16	0.38	1	ug/kg	33.33333
27 September 1992	EC21Y53	ND	1	ug/kg	33.333
2 October 1992	EC2JB3	0.36	1	ug/kg	33.33333
3 October 1992	EC2JB27	0.34	1	ug/kg	33.33333
-----					
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 3			
Method : SW8310					
Analyte : Fluoranthene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.021	mg/kg	100
19 August 1992	EC2HS12	ND	0.00021	mg/kg	1
24 August 1992	EC2HX3	ND	0.021	mg/kg	100
4 September 1992	EC2ID7	ND	0.007	mg/kg	33.33333
26 September 1992	EC21Y16	ND	0.007	mg/kg	33.33333



TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8310					
Analyte : Fluoranthene, cont.					
Type of Blank : Method Blank					
27 September 1992	EC2IY53	ND	0.007	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.007	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.007	mg/kg	33.33333

Total Number of Blanks = 8

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.021

Method : SW8310					
Analyte : Fluoranthene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	21	ug/kg	100
19 August 1992	EC2HS12	ND	0.21	ug/kg	1
24 August 1992	EC2HX3	ND	21	ug/kg	100
4 September 1992	EC2ID7	ND	7	ug/kg	33.33333
26 September 1992	EC2IY16	ND	7	ug/kg	33.33333
27 September 1992	EC2IY53	ND	7	ug/kg	33.333
2 October 1992	EC2JB3	ND	7	ug/kg	33.33333
3 October 1992	EC2JB27	ND	7	ug/kg	33.33333

Total Number of Blanks = 8

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 21

Method : SW8310					
Analyte : Fluorene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.021	mg/kg	100
19 August 1992	EC2HS12	ND	0.00021	mg/kg	1
24 August 1992	EC2HX3	ND	0.021	mg/kg	100
4 September 1992	EC2ID7	ND	0.007	mg/kg	33.33333
26 September 1992	EC2IY16	ND	0.007	mg/kg	33.33333
27 September 1992	EC2IY53	ND	0.007	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.007	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.007	mg/kg	33.33333

Total Number of Blanks = 8

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.021

Method : SW8310					
Analyte : Fluorene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	21	ug/kg	100
19 August 1992	EC2HS12	ND	0.21	ug/kg	1
24 August 1992	EC2HX3	ND	21	ug/kg	100
4 September 1992	EC2ID7	ND	7	ug/kg	33.33333
26 September 1992	EC2IY16	ND	7	ug/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8310					
Analyte : Fluorene, cont.					
Type of Blank : Method Blank					
27 September 1992	EC21Y53	ND	7	ug/kg	33.333
2 October 1992	EC2JB3	ND	7	ug/kg	33.33333
3 October 1992	EC2JB27	ND	7	ug/kg	33.33333
Total Number of Blanks = 8			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 21		
Method : SW8310					
Analyte : Indeno(1,2,3-cd)pyrene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.0043	mg/kg	100
19 August 1992	EC2HS12	ND	0.000043	mg/kg	1
24 August 1992	EC2HX3	ND	0.0043	mg/kg	100
4 September 1992	EC2ID7	ND	0.0014	mg/kg	33.33333
26 September 1992	EC21Y16	ND	0.0014	mg/kg	33.33333
27 September 1992	EC21Y53	ND	0.0014	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.0014	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.0014	mg/kg	33.33333
Total Number of Blanks = 8			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0043		
Method : SW8310					
Analyte : Indeno(1,2,3-cd)pyrene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	4.3	ug/kg	100
19 August 1992	EC2HS12	ND	0.043	ug/kg	1
24 August 1992	EC2HX3	ND	4.3	ug/kg	100
4 September 1992	EC2ID7	ND	1.4	ug/kg	33.33333
26 September 1992	EC21Y16	ND	1.4	ug/kg	33.33333
27 September 1992	EC21Y53	ND	1.4	ug/kg	33.333
2 October 1992	EC2JB3	ND	1.4	ug/kg	33.33333
3 October 1992	EC2JB27	ND	1.4	ug/kg	33.33333
Total Number of Blanks = 8			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 4.3		
Method : SW8310					
Analyte : Naphthalene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.18	mg/kg	100
19 August 1992	EC2HS12	ND	0.0018	mg/kg	1
24 August 1992	EC2HX3	ND	0.18	mg/kg	100
4 September 1992	EC2ID7	ND	0.06	mg/kg	33.33333
26 September 1992	EC21Y16	ND	0.06	mg/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8310					
Analyte : Naphthalene, cont.					
Type of Blank : Method Blank					
27 September 1992	EC2IY53	ND	0.06	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.06	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.06	mg/kg	33.33333

Total Number of Blanks = 8  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 0.18

Method : SW8310					
Analyte : Naphthalene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	180	ug/kg	100
19 August 1992	EC2HS12	ND	1.8	ug/kg	1
24 August 1992	EC2HX3	ND	180	ug/kg	100
4 September 1992	EC2ID7	ND	60	ug/kg	33.33333
26 September 1992	EC2IY16	ND	60	ug/kg	33.33333
27 September 1992	EC2IY53	ND	60	ug/kg	33.333
2 October 1992	EC2JB3	ND	60	ug/kg	33.33333
3 October 1992	EC2JB27	ND	60	ug/kg	33.33333

Total Number of Blanks = 8  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 180

Method : SW8310					
Analyte : Phenanthrene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.064	mg/kg	100
19 August 1992	EC2HS12	ND	0.00064	mg/kg	1
24 August 1992	EC2HX3	ND	0.064	mg/kg	100
4 September 1992	EC2ID7	ND	0.021	mg/kg	33.33333
26 September 1992	EC2IY16	ND	0.021	mg/kg	33.33333
27 September 1992	EC2IY53	ND	0.021	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.021	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.021	mg/kg	33.33333

Total Number of Blanks = 8  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 0.064

Method : SW8310					
Analyte : Phenanthrene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	64	ug/kg	100
19 August 1992	EC2HS12	ND	0.64	ug/kg	1
24 August 1992	EC2HX3	ND	64	ug/kg	100
4 September 1992	EC2ID7	ND	21	ug/kg	33.33333
26 September 1992	EC2IY16	ND	21	ug/kg	33.33333

TABLE A-1

## DETAILED LISTING OF BLANK RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8310					
Analyte : Phenanthrene, cont.					
Type of Blank : Method Blank					
27 September 1992	EC21Y53	ND	21	ug/kg	33.333
2 October 1992	EC2JB3	ND	21	ug/kg	33.33333
3 October 1992	EC2JB27	ND	21	ug/kg	33.33333

Total Number of Blanks = 8

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 64

Method : SW8310					
Analyte : Pyrene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	0.027	mg/kg	100
19 August 1992	EC2HS12	ND	0.00027	mg/kg	1
24 August 1992	EC2HX3	ND	0.027	mg/kg	100
4 September 1992	EC21D7	ND	0.009	mg/kg	33.33333
26 September 1992	EC21Y16	ND	0.009	mg/kg	33.33333
27 September 1992	EC21Y53	ND	0.009	mg/kg	33.333
2 October 1992	EC2JB3	ND	0.009	mg/kg	33.33333
3 October 1992	EC2JB27	ND	0.009	mg/kg	33.33333

Total Number of Blanks = 8

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.027

Method : SW8310					
Analyte : Pyrene					
Type of Blank : Method Blank					
30 July 1992	EC2G25	ND	27	ug/kg	100
19 August 1992	EC2HS12	ND	0.27	ug/kg	1
24 August 1992	EC2HX3	ND	27	ug/kg	100
4 September 1992	EC21D7	ND	9	ug/kg	33.33333
26 September 1992	EC21Y16	ND	9	ug/kg	33.33333
27 September 1992	EC21Y53	ND	9	ug/kg	33.333
2 October 1992	EC2JB3	ND	9	ug/kg	33.33333
3 October 1992	EC2JB27	ND	9	ug/kg	33.33333

Total Number of Blanks = 8

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 27

**APPENDIX B**

**(Continued)**

**ATTACHMENT A - APPENDIX B**

**Table A-2**

**Detailed Listing of Solid Spikes - 1992 Soil Samples**

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Aluminum			
Type of Spike : Laboratory Control			
08/07/92	LCS	JA61_080713-001	93.00
08/07/92	LCS DUP	JA61_080713-001	96.00
08/10/92	LCS	JA61_081010-001	92.00
08/10/92	LCS DUP	JA61_081010-001	95.00
08/28/92	LCS	JA61_082816-010	92.00
08/28/92	LCS DUP	JA61_082816-010	92.00
08/29/92	LCS	JA61_082915-020	97.00
08/29/92	LCS DUP	JA61_082915-020	96.00
08/31/92	LCS	JA61_083109-001	93.00
08/31/92	LCS DUP	JA61_083109-001	94.00
09/12/92	LCS	JA61_091215-002	90.00
09/12/92	LCS DUP	JA61_091215-002	89.00
09/24/92	LCS	JA61_092410-001	90.00
09/24/92	LCS DUP	JA61_092410-001	90.00
09/27/92	LCS	JA61_092716-001	94.00
09/27/92	LCS DUP	JA61_092716-001	94.00
09/29/92	LCS	JA61_092914-001	92.00
09/29/92	LCS DUP	JA61_092914-001	92.00
09/29/92	LCS	JA61_092909-001	92.00
09/29/92	LCS DUP	JA61_092909-001	92.00
09/29/92	LCS	JA61_092909-002	92.00
09/29/92	LCS	JA61_092914-001	91.00
09/29/92	LCS DUP	JA61_092914-001	91.00
09/29/92	LCS DUP	JA61_092909-002	92.00
10/01/92	LCS	JA61_100113-001	90.00
10/01/92	LCS DUP	JA61_100113-001	91.00
10/01/92	LCS	JA61_100113-002	93.00
10/01/92	LCS DUP	JA61_100113-002	94.00
10/02/92	LCS	JA61_100217-001	93.00
10/02/92	LCS DUP	JA61_100217-001	92.00
10/05/92	LCS	JA61_100521-010	94.00
10/05/92	LCS DUP	JA61_100521-010	92.00
10/12/92	LCS	JA61_101208-001	90.00
10/12/92	LCS DUP	JA61_101208-001	90.00
-----			
Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 92.4	Above acceptance :	0
Standard Deviation	: 1.92	Acceptance Criteria	80-120

Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	0.00
08/28/92	06-DS-02 MSD	JA61_082816-010	383.00
08/29/92	05-DS-01 MS	JA61_082915-020	137.00
08/29/92	05-DS-01 MSD	JA61_082915-020	147.00
08/31/92	10-DS-01 MS	JA61_083109-001	207.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Aluminum continued			
Type of Spike : Matrix Spike			
08/31/92	10-DS-01 MSD	JA61_083109-001	255.00
08/31/92	06-DS-01 MS	JA61_083109-001	163.00
08/31/92	06-DS-01 MSD	JA61_083109-001	232.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	427.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	506.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	298.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	345.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	179.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	142.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	178.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	315.00
10/01/92	04-DS-01 MS	JA61_100113-001	223.00
10/01/92	04-DS-01 MSD	JA61_100113-001	321.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	469.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	337.00
10/05/92	07-DS-03 MS	JA61_100521-010	539.00
10/05/92	07-DS-03 MSD	JA61_100521-010	637.00

Number of Samples	: 22	Below acceptance :	1
Mean % Recovery	: 292.7	Above acceptance :	21
Standard Deviation	: 154.62	Acceptance Criteria	75-125

Method : SW6010  
 Spiked Analyte : Antimony  
 Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	85.00
08/07/92	LCS DUP	JA61_080713-001	88.00
08/10/92	LCS	JA61_081010-001	102.00
08/10/92	LCS DUP	JA61_081010-001	104.00
08/28/92	LCS	JA61_082816-010	93.00
08/28/92	LCS DUP	JA61_082816-010	91.00
08/29/92	LCS	JA61_082915-020	93.00
08/29/92	LCS DUP	JA61_082915-020	88.00
08/31/92	LCS	JA61_083109-001	90.00
08/31/92	LCS DUP	JA61_083109-001	92.00
09/12/92	LCS	JA61_091215-002	88.00
09/12/92	LCS DUP	JA61_091215-002	85.00
09/24/92	LCS	JA61_092410-001	90.00
09/24/92	LCS DUP	JA61_092410-001	91.00
09/27/92	LCS	JA61_092716-001	96.00
09/27/92	LCS DUP	JA61_092716-001	101.00
09/29/92	LCS	JA61_092914-001	96.00
09/29/92	LCS DUP	JA61_092914-001	100.00
09/29/92	LCS	JA61_092909-001	91.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Antimony continued			
Type of Spike : Laboratory Control			
09/29/92	LCS DUP	JA61_092909-001	92.00
09/29/92	LCS	JA61_092909-002	95.00
09/29/92	LCS	JA61_092914-001	99.00
09/29/92	LCS DUP	JA61_092914-001	94.00
09/29/92	LCS DUP	JA61_092909-002	93.00
10/01/92	LCS	JA61_100113-001	89.00
10/01/92	LCS DUP	JA61_100113-001	92.00
10/01/92	LCS	JA61_100113-002	93.00
10/01/92	LCS DUP	JA61_100113-002	96.00
10/02/92	LCS	JA61_100217-001	104.00
10/02/92	LCS DUP	JA61_100217-001	101.00
10/05/92	LCS	JA61_100521-010	96.00
10/05/92	LCS DUP	JA61_100521-010	97.00
10/12/92	LCS	JA61_101208-001	90.00
10/12/92	LCS DUP	JA61_101208-001	85.00

Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 93.5	Above acceptance :	0
Standard Deviation	: 5.25	Acceptance Criteria	80-120

Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	70.00
08/28/92	06-DS-02 MSD	JA61_082816-010	71.00
08/29/92	05-DS-01 MS	JA61_082915-020	76.00
08/29/92	05-DS-01 MSD	JA61_082915-020	81.00
08/31/92	10-DS-01 MS	JA61_083109-001	43.00
08/31/92	10-DS-01 MSD	JA61_083109-001	45.00
08/31/92	06-DS-01 MS	JA61_083109-001	60.00
08/31/92	06-DS-01 MSD	JA61_083109-001	51.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	63.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	66.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	68.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	60.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	70.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	69.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	69.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	64.00
10/01/92	04-DS-01 MS	JA61_100113-001	70.00
10/01/92	04-DS-01 MSD	JA61_100113-001	75.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	74.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	72.00
10/05/92	07-DS-03 MS	JA61_100521-010	49.00
10/05/92	07-DS-03 MSD	JA61_100521-010	49.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Antimony continued			
Type of Spike : Matrix Spike			
Number of Samples	: 22	Below acceptance :	19
Mean % Recovery	: 64.3	Above acceptance :	0
Standard Deviation	: 10.68	Acceptance Criteria	75-125
Method : SW6010			
Spiked Analyte : Arsenic			
Type of Spike : Laboratory Control			
08/07/92	LCS	JA61_080713-001	95.00
08/07/92	LCS DUP	JA61_080713-001	96.00
08/10/92	LCS	JA61_081010-001	92.00
08/10/92	LCS DUP	JA61_081010-001	91.00
08/28/92	LCS	JA61_082816-010	95.00
08/28/92	LCS DUP	JA61_082816-010	88.00
08/29/92	LCS	JA61_082915-020	91.00
08/29/92	LCS DUP	JA61_082915-020	92.00
08/31/92	LCS	JA61_083109-001	96.00
08/31/92	LCS DUP	JA61_083109-001	99.00
09/12/92	LCS	JA61_091215-002	91.00
09/12/92	LCS DUP	JA61_091215-002	88.00
09/24/92	LCS	JA61_092410-001	88.00
09/24/92	LCS DUP	JA61_092410-001	94.00
09/27/92	LCS	JA61_092716-001	102.00
09/27/92	LCS DUP	JA61_092716-001	100.00
09/29/92	LCS	JA61_092914-001	96.00
09/29/92	LCS DUP	JA61_092914-001	97.00
09/29/92	LCS	JA61_092909-001	100.00
09/29/92	LCS DUP	JA61_092909-001	98.00
09/29/92	LCS	JA61_092909-002	95.00
09/29/92	LCS	JA61_092914-001	110.00
09/29/92	LCS DUP	JA61_092914-001	111.00
09/29/92	LCS DUP	JA61_092909-002	93.00
10/01/92	LCS	JA61_100113-001	95.00
10/01/92	LCS DUP	JA61_100113-001	99.00
10/01/92	LCS	JA61_100113-002	94.00
10/01/92	LCS DUP	JA61_100113-002	92.00
10/02/92	LCS	JA61_100217-001	111.00
10/02/92	LCS DUP	JA61_100217-001	110.00
10/05/92	LCS	JA61_100521-010	93.00
10/05/92	LCS DUP	JA61_100521-010	90.00
10/12/92	LCS	JA61_101208-001	89.00
10/12/92	LCS DUP	JA61_101208-001	87.00
Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 95.8	Above acceptance :	0
Standard Deviation	: 6.61	Acceptance Criteria	80-120

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Arsenic continued			
Type of Spike : Laboratory Control			
Type of Spike : Matrix Spike			
08/28/92	06-DS-02 MS	JA61_082816-010	99.00
08/28/92	06-DS-02 MSD	JA61_082816-010	109.00
08/29/92	05-DS-01 MS	JA61_082915-020	95.00
08/29/92	05-DS-01 MSD	JA61_082915-020	86.00
08/31/92	10-DS-01 MS	JA61_083109-001	109.00
08/31/92	10-DS-01 MSD	JA61_083109-001	119.00
08/31/92	06-DS-01 MS	JA61_083109-001	105.00
08/31/92	06-DS-01 MSD	JA61_083109-001	113.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	106.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	107.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	117.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	105.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	116.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	112.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	98.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	95.00
10/01/92	04-DS-01 MS	JA61_100113-001	105.00
10/01/92	04-DS-01 MSD	JA61_100113-001	102.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	106.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	101.00
10/05/92	07-DS-03 MS	JA61_100521-010	105.00
10/05/92	07-DS-03 MSD	JA61_100521-010	122.00
-----			
Number of Samples	: 22	Below acceptance :	0
Mean % Recovery	: 106.0	Above acceptance :	0
Standard Deviation	: 8.59	Acceptance Criteria	75-125

Method : SW6010  
Spiked Analyte : Barium

Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	92.00
08/07/92	LCS DUP	JA61_080713-001	98.00
08/10/92	LCS	JA61_081010-001	94.00
08/10/92	LCS DUP	JA61_081010-001	97.00
08/28/92	LCS	JA61_082816-010	95.00
08/28/92	LCS DUP	JA61_082816-010	94.00
08/29/92	LCS	JA61_082915-020	96.00
08/29/92	LCS DUP	JA61_082915-020	95.00
08/31/92	LCS	JA61_083109-001	93.00
08/31/92	LCS DUP	JA61_083109-001	95.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Barium continued			
Type of Spike : Laboratory Control			
09/12/92	LCS	JA61_091215-002	92.00
09/12/92	LCS DUP	JA61_091215-002	87.00
09/24/92	LCS	JA61_092410-001	89.00
09/24/92	LCS DUP	JA61_092410-001	91.00
09/27/92	LCS	JA61_092716-001	97.00
09/27/92	LCS DUP	JA61_092716-001	97.00
09/29/92	LCS	JA61_092914-001	95.00
09/29/92	LCS DUP	JA61_092914-001	95.00
09/29/92	LCS	JA61_092909-001	93.00
09/29/92	LCS DUP	JA61_092909-001	93.00
09/29/92	LCS	JA61_092909-002	94.00
09/29/92	LCS	JA61_092914-001	96.00
09/29/92	LCS DUP	JA61_092914-001	95.00
09/29/92	LCS DUP	JA61_092909-002	93.00
10/01/92	LCS	JA61_100113-001	93.00
10/01/92	LCS DUP	JA61_100113-001	94.00
10/01/92	LCS	JA61_100113-002	98.00
10/01/92	LCS DUP	JA61_100113-002	99.00
10/02/92	LCS	JA61_100217-001	96.00
10/02/92	LCS DUP	JA61_100217-001	94.00
10/05/92	LCS	JA61_100521-010	93.00
10/05/92	LCS DUP	JA61_100521-010	91.00
10/12/92	LCS	JA61_101208-001	88.00
10/12/92	LCS DUP	JA61_101208-001	88.00

Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 93.8	Above acceptance :	0
Standard Deviation	: 2.91	Acceptance Criteria	80-120

Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	24.00
08/28/92	06-DS-02 MSD	JA61_082816-010	120.00
08/29/92	05-DS-01 MS	JA61_082915-020	69.00
08/29/92	05-DS-01 MSD	JA61_082915-020	70.00
08/31/92	10-DS-01 MS	JA61_083109-001	109.00
08/31/92	10-DS-01 MSD	JA61_083109-001	100.00
08/31/92	06-DS-01 MS	JA61_083109-001	86.00
08/31/92	06-DS-01 MSD	JA61_083109-001	101.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	137.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	139.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	106.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	119.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	126.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	170.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	114.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Barium continued			
Type of Spike : Matrix Spike			
09/29/92	07-MW-04-02 MSD	JA61_092914-001	110.00
10/01/92	04-DS-01 MS	JA61_100113-001	112.00
10/01/92	04-DS-01 MSD	JA61_100113-001	126.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	162.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	123.00
10/05/92	07-DS-03 MS	JA61_100521-010	159.00
10/05/92	07-DS-03 MSD	JA61_100521-010	203.00
-----			
Number of Samples	: 22	Below acceptance :	3
Mean % Recovery	: 117.5	Above acceptance :	8
Standard Deviation	: 37.81	Acceptance Criteria	75-125

Method : SW6010  
 Spiked Analyte : Beryllium  
 Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	92.00
08/07/92	LCS DUP	JA61_080713-001	95.00
08/10/92	LCS	JA61_081010-001	92.00
08/10/92	LCS DUP	JA61_081010-001	95.00
08/28/92	LCS	JA61_082816-010	91.00
08/28/92	LCS DUP	JA61_082816-010	91.00
08/29/92	LCS	JA61_082915-020	93.00
08/29/92	LCS DUP	JA61_082915-020	92.00
08/31/92	LCS	JA61_083109-001	91.00
08/31/92	LCS DUP	JA61_083109-001	92.00
09/12/92	LCS	JA61_091215-002	88.00
09/12/92	LCS DUP	JA61_091215-002	84.00
09/24/92	LCS	JA61_092410-001	86.00
09/24/92	LCS DUP	JA61_092410-001	88.00
09/27/92	LCS	JA61_092716-001	93.00
09/27/92	LCS DUP	JA61_092716-001	93.00
09/29/92	LCS	JA61_092914-001	91.00
09/29/92	LCS DUP	JA61_092914-001	92.00
09/29/92	LCS	JA61_092909-001	91.00
09/29/92	LCS DUP	JA61_092909-001	91.00
09/29/92	LCS	JA61_092909-002	92.00
09/29/92	LCS	JA61_092914-001	93.00
09/29/92	LCS DUP	JA61_092914-001	91.00
09/29/92	LCS DUP	JA61_092909-002	91.00
10/01/92	LCS	JA61_100113-001	90.00
10/01/92	LCS DUP	JA61_100113-001	91.00
10/01/92	LCS	JA61_100113-002	92.00
10/01/92	LCS DUP	JA61_100113-002	93.00
10/02/92	LCS	JA61_100217-001	93.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Beryllium continued			
Type of Spike : Laboratory Control			
10/02/92	LCS DUP	JA61_100217-001	91.00
10/05/92	LCS	JA61_100521-010	91.00
10/05/92	LCS DUP	JA61_100521-010	88.00
10/12/92	LCS	JA61_101208-001	86.00
10/12/92	LCS DUP	JA61_101208-001	86.00
-----			
Number of Samples		: 34	Below acceptance : 0
Mean % Recovery		: 90.9	Above acceptance : 0
Standard Deviation		: 2.55	Acceptance Criteria 80-120
Type of Spike : Matrix Spike			
08/28/92	06-DS-02 MS	JA61_082816-010	92.00
08/28/92	06-DS-02 MSD	JA61_082816-010	91.00
08/29/92	05-DS-01 MS	JA61_082915-020	91.00
08/29/92	05-DS-01 MSD	JA61_082915-020	92.00
08/31/92	10-DS-01 MS	JA61_083109-001	92.00
08/31/92	10-DS-01 MSD	JA61_083109-001	91.00
08/31/92	06-DS-01 MS	JA61_083109-001	93.00
08/31/92	06-DS-01 MSD	JA61_083109-001	93.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	89.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	89.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	90.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	90.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	95.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	95.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	92.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	92.00
10/01/92	04-DS-01 MS	JA61_100113-001	92.00
10/01/92	04-DS-01 MSD	JA61_100113-001	92.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	92.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	94.00
10/05/92	07-DS-03 MS	JA61_100521-010	95.00
10/05/92	07-DS-03 MSD	JA61_100521-010	104.00
-----			
Number of Samples		: 22	Below acceptance : 0
Mean % Recovery		: 92.5	Above acceptance : 0
Standard Deviation		: 3.08	Acceptance Criteria 75-125

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Cadmium			
Type of Spike : Laboratory Control			
08/07/92	LCS	JA61_080713-001	91.00
08/07/92	LCS DUP	JA61_080713-001	95.00
08/10/92	LCS	JA61_081010-001	91.00
08/10/92	LCS DUP	JA61_081010-001	94.00
08/28/92	LCS	JA61_082816-010	89.00
08/28/92	LCS DUP	JA61_082816-010	88.00
08/29/92	LCS	JA61_082915-020	89.00
08/29/92	LCS DUP	JA61_082915-020	88.00
08/31/92	LCS	JA61_083109-001	89.00
08/31/92	LCS DUP	JA61_083109-001	90.00
09/12/92	LCS	JA61_091215-002	88.00
09/12/92	LCS DUP	JA61_091215-002	84.00
09/24/92	LCS	JA61_092410-001	85.00
09/24/92	LCS DUP	JA61_092410-001	87.00
09/27/92	LCS	JA61_092716-001	93.00
09/27/92	LCS DUP	JA61_092716-001	93.00
09/29/92	LCS	JA61_092914-001	92.00
09/29/92	LCS DUP	JA61_092914-001	92.00
09/29/92	LCS	JA61_092909-001	90.00
09/29/92	LCS DUP	JA61_092909-001	90.00
09/29/92	LCS	JA61_092909-002	90.00
09/29/92	LCS	JA61_092914-001	91.00
09/29/92	LCS DUP	JA61_092914-001	90.00
09/29/92	LCS DUP	JA61_092909-002	90.00
10/01/92	LCS	JA61_100113-001	91.00
10/01/92	LCS DUP	JA61_100113-001	91.00
10/01/92	LCS	JA61_100113-002	90.00
10/01/92	LCS DUP	JA61_100113-002	92.00
10/02/92	LCS	JA61_100217-001	90.00
10/02/92	LCS DUP	JA61_100217-001	89.00
10/05/92	LCS	JA61_100521-010	92.00
10/05/92	LCS DUP	JA61_100521-010	89.00
10/12/92	LCS	JA61_101208-001	87.00
10/12/92	LCS DUP	JA61_101208-001	87.00
-----			
Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 89.9	Above acceptance :	0
Standard Deviation	: 2.37	Acceptance Criteria	80-120

Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	90.00
08/28/92	06-DS-02 MSD	JA61_082816-010	88.00
08/29/92	05-DS-01 MS	JA61_082915-020	88.00
08/29/92	05-DS-01 MSD	JA61_082915-020	89.00
08/31/92	10-DS-01 MS	JA61_083109-001	90.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Cadmium continued			
Type of Spike : Matrix Spike			
08/31/92	10-DS-01 MSD	JA61_083109-001	89.00
08/31/92	06-DS-01 MS	JA61_083109-001	91.00
08/31/92	06-DS-01 MSD	JA61_083109-001	90.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	88.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	88.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	88.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	88.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	95.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	94.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	91.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	91.00
10/01/92	04-DS-01 MS	JA61_100113-001	90.00
10/01/92	04-DS-01 MSD	JA61_100113-001	90.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	89.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	91.00
10/05/92	07-DS-03 MS	JA61_100521-010	91.00
10/05/92	07-DS-03 MSD	JA61_100521-010	101.00

Number of Samples	: 22	Below acceptance :	0
Mean % Recovery	: 90.5	Above acceptance :	0
Standard Deviation	: 3.00	Acceptance Criteria	75-125

Method : SW6010  
Spiked Analyte : Calcium

Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	98.00
08/07/92	LCS DUP	JA61_080713-001	101.00
08/10/92	LCS	JA61_081010-001	97.00
08/10/92	LCS DUP	JA61_081010-001	100.00
08/28/92	LCS	JA61_082816-010	96.00
08/28/92	LCS DUP	JA61_082816-010	96.00
08/29/92	LCS	JA61_082915-020	102.00
08/29/92	LCS DUP	JA61_082915-020	101.00
08/31/92	LCS	JA61_083109-001	98.00
08/31/92	LCS DUP	JA61_083109-001	99.00
09/12/92	LCS	JA61_091215-002	90.00
09/12/92	LCS DUP	JA61_091215-002	89.00
09/24/92	LCS	JA61_092410-001	94.00
09/24/92	LCS DUP	JA61_092410-001	93.00
09/27/92	LCS	JA61_092716-001	96.00
09/27/92	LCS DUP	JA61_092716-001	96.00
09/29/92	LCS	JA61_092914-001	95.00
09/29/92	LCS DUP	JA61_092914-001	96.00
09/29/92	LCS	JA61_092909-001	97.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW6010

Spiked Analyte : Calcium continued

Type of Spike : Laboratory Control

09/29/92	LCS DUP	JA61_092909-001	96.00
09/29/92	LCS	JA61_092909-002	96.00
09/29/92	LCS	JA61_092914-001	95.00
09/29/92	LCS DUP	JA61_092914-001	94.00
09/29/92	LCS DUP	JA61_092909-002	96.00
10/01/92	LCS	JA61_100113-001	92.00
10/01/92	LCS DUP	JA61_100113-001	93.00
10/01/92	LCS	JA61_100113-002	91.00
10/01/92	LCS DUP	JA61_100113-002	92.00
10/02/92	LCS	JA61_100217-001	95.00
10/02/92	LCS DUP	JA61_100217-001	94.00
10/05/92	LCS	JA61_100521-010	96.00
10/05/92	LCS DUP	JA61_100521-010	93.00
10/12/92	LCS	JA61_101208-001	92.00
10/12/92	LCS DUP	JA61_101208-001	92.00

Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 95.3	Above acceptance :	0
Standard Deviation	: 3.12	Acceptance Criteria	80-120

Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	0.00
08/28/92	06-DS-02 MSD	JA61_082816-010	155.00
08/29/92	05-DS-01 MS	JA61_082915-020	143.00
08/29/92	05-DS-01 MSD	JA61_082915-020	15.00
08/31/92	10-DS-01 MS	JA61_083109-001	89.00
08/31/92	10-DS-01 MSD	JA61_083109-001	117.00
08/31/92	06-DS-01 MS	JA61_083109-001	0.00
08/31/92	06-DS-01 MSD	JA61_083109-001	48.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	317.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	433.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	208.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	194.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	110.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	72.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	476.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	405.00
10/01/92	04-DS-01 MS	JA61_100113-001	103.00
10/01/92	04-DS-01 MSD	JA61_100113-001	106.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	348.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	164.00
10/05/92	07-DS-03 MS	JA61_100521-010	260.00
10/05/92	07-DS-03 MSD	JA61_100521-010	400.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Calcium continued			
Type of Spike : Matrix Spike			
Number of Samples	: 22	Below acceptance :	5
Mean % Recovery	: 189.2	Above acceptance :	12
Standard Deviation	: 147.21	Acceptance Criteria	75-125
Method : SW6010			
Spiked Analyte : Chromium			
Type of Spike : Laboratory Control			
08/07/92	LCS	JA61_080713-001	94.00
08/07/92	LCS DUP	JA61_080713-001	97.00
08/10/92	LCS	JA61_081010-001	94.00
08/10/92	LCS DUP	JA61_081010-001	97.00
08/28/92	LCS	JA61_082816-010	94.00
08/28/92	LCS DUP	JA61_082816-010	93.00
08/29/92	LCS	JA61_082915-020	95.00
08/29/92	LCS DUP	JA61_082915-020	94.00
08/31/92	LCS	JA61_083109-001	94.00
08/31/92	LCS DUP	JA61_083109-001	95.00
09/12/92	LCS	JA61_091215-002	90.00
09/12/92	LCS DUP	JA61_091215-002	86.00
09/24/92	LCS	JA61_092410-001	88.00
09/24/92	LCS DUP	JA61_092410-001	90.00
09/27/92	LCS	JA61_092716-001	97.00
09/27/92	LCS DUP	JA61_092716-001	96.00
09/29/92	LCS	JA61_092914-001	94.00
09/29/92	LCS DUP	JA61_092914-001	94.00
09/29/92	LCS	JA61_092909-001	94.00
09/29/92	LCS DUP	JA61_092909-001	93.00
09/29/92	LCS	JA61_092909-002	93.00
09/29/92	LCS	JA61_092914-001	95.00
09/29/92	LCS DUP	JA61_092914-001	94.00
09/29/92	LCS DUP	JA61_092909-002	93.00
10/01/92	LCS	JA61_100113-001	92.00
10/01/92	LCS DUP	JA61_100113-001	93.00
10/01/92	LCS	JA61_100113-002	93.00
10/01/92	LCS DUP	JA61_100113-002	94.00
10/02/92	LCS	JA61_100217-001	95.00
10/02/92	LCS DUP	JA61_100217-001	94.00
10/05/92	LCS	JA61_100521-010	92.00
10/05/92	LCS DUP	JA61_100521-010	90.00
10/12/92	LCS	JA61_101208-001	88.00
10/12/92	LCS DUP	JA61_101208-001	88.00
Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 93.0	Above acceptance :	0
Standard Deviation	: 2.68	Acceptance Criteria	80-120

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Chromium continued			
Type of Spike : Laboratory Control			
Type of Spike : Matrix Spike			
08/28/92	06-DS-02 MS	JA61_082816-010	87.00
08/28/92	06-DS-02 MSD	JA61_082816-010	97.00
08/29/92	05-DS-01 MS	JA61_082915-020	90.00
08/29/92	05-DS-01 MSD	JA61_082915-020	91.00
08/31/92	10-DS-01 MS	JA61_083109-001	93.00
08/31/92	10-DS-01 MSD	JA61_083109-001	92.00
08/31/92	06-DS-01 MS	JA61_083109-001	94.00
08/31/92	06-DS-01 MSD	JA61_083109-001	96.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	94.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	97.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	92.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	92.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	98.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	352.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	94.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	96.00
10/01/92	04-DS-01 MS	JA61_100113-001	92.00
10/01/92	04-DS-01 MSD	JA61_100113-001	93.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	94.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	93.00
10/05/92	07-DS-03 MS	JA61_100521-010	98.00
10/05/92	07-DS-03 MSD	JA61_100521-010	109.00

Number of Samples	: 22	Below acceptance :	0
Mean % Recovery	: 106.1	Above acceptance :	1
Standard Deviation	: 55.09	Acceptance Criteria	75-125

Method : SW6010  
Spiked Analyte : Cobalt

Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	93.00
08/07/92	LCS DUP	JA61_080713-001	95.00
08/10/92	LCS	JA61_081010-001	93.00
08/10/92	LCS DUP	JA61_081010-001	95.00
08/28/92	LCS	JA61_082816-010	92.00
08/28/92	LCS DUP	JA61_082816-010	92.00
08/29/92	LCS	JA61_082915-020	94.00
08/29/92	LCS DUP	JA61_082915-020	94.00
08/31/92	LCS	JA61_083109-001	93.00
08/31/92	LCS DUP	JA61_083109-001	95.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Cobalt continued			
Type of Spike : Laboratory Control			
09/12/92	LCS	JA61_091215-002	89.00
09/12/92	LCS DUP	JA61_091215-002	85.00
09/24/92	LCS	JA61_092410-001	88.00
09/24/92	LCS DUP	JA61_092410-001	89.00
09/27/92	LCS	JA61_092716-001	96.00
09/27/92	LCS DUP	JA61_092716-001	96.00
09/29/92	LCS	JA61_092914-001	93.00
09/29/92	LCS DUP	JA61_092914-001	93.00
09/29/92	LCS	JA61_092909-001	93.00
09/29/92	LCS DUP	JA61_092909-001	93.00
09/29/92	LCS	JA61_092909-002	93.00
09/29/92	LCS	JA61_092914-001	93.00
09/29/92	LCS DUP	JA61_092914-001	93.00
09/29/92	LCS DUP	JA61_092909-002	92.00
10/01/92	LCS	JA61_100113-001	92.00
10/01/92	LCS DUP	JA61_100113-001	92.00
10/01/92	LCS	JA61_100113-002	91.00
10/01/92	LCS DUP	JA61_100113-002	92.00
10/02/92	LCS	JA61_100217-001	94.00
10/02/92	LCS DUP	JA61_100217-001	92.00
10/05/92	LCS	JA61_100521-010	92.00
10/05/92	LCS DUP	JA61_100521-010	89.00
10/12/92	LCS	JA61_101208-001	88.00
10/12/92	LCS DUP	JA61_101208-001	88.00

Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 92.1	Above acceptance :	0
Standard Deviation	: 2.50	Acceptance Criteria	80-120

Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	87.00
08/28/92	06-DS-02 MSD	JA61_082816-010	90.00
08/29/92	05-DS-01 MS	JA61_082915-020	90.00
08/29/92	05-DS-01 MSD	JA61_082915-020	89.00
08/31/92	10-DS-01 MS	JA61_083109-001	90.00
08/31/92	10-DS-01 MSD	JA61_083109-001	89.00
08/31/92	06-DS-01 MS	JA61_083109-001	93.00
08/31/92	06-DS-01 MSD	JA61_083109-001	94.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	88.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	88.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	88.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	90.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	95.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	94.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	91.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Cobalt continued			
Type of Spike : Matrix Spike			
09/29/92	07-MW-04-02 MSD	JA61_092914-001	92.00
10/01/92	04-DS-01 MS	JA61_100113-001	89.00
10/01/92	04-DS-01 MSD	JA61_100113-001	89.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	88.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	90.00
10/05/92	07-DS-03 MS	JA61_100521-010	92.00
10/05/92	07-DS-03 MSD	JA61_100521-010	102.00

Number of Samples	: 22	Below acceptance :	0
Mean % Recovery	: 90.8	Above acceptance :	0
Standard Deviation	: 3.33	Acceptance Criteria	75-125

Method : SW6010  
Spiked Analyte : Copper

Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	96.00
08/07/92	LCS DUP	JA61_080713-001	96.00
08/10/92	LCS	JA61_081010-001	94.00
08/10/92	LCS DUP	JA61_081010-001	94.00
08/28/92	LCS	JA61_082816-010	92.00
08/28/92	LCS DUP	JA61_082816-010	91.00
08/29/92	LCS	JA61_082915-020	94.00
08/29/92	LCS DUP	JA61_082915-020	93.00
08/31/92	LCS	JA61_083109-001	91.00
08/31/92	LCS DUP	JA61_083109-001	93.00
09/12/92	LCS	JA61_091215-002	88.00
09/12/92	LCS DUP	JA61_091215-002	84.00
09/24/92	LCS	JA61_092410-001	86.00
09/24/92	LCS DUP	JA61_092410-001	88.00
09/27/92	LCS	JA61_092716-001	95.00
09/27/92	LCS DUP	JA61_092716-001	95.00
09/29/92	LCS	JA61_092914-001	91.00
09/29/92	LCS DUP	JA61_092914-001	92.00
09/29/92	LCS	JA61_092909-001	92.00
09/29/92	LCS DUP	JA61_092909-001	92.00
09/29/92	LCS	JA61_092909-002	92.00
09/29/92	LCS	JA61_092914-001	92.00
09/29/92	LCS DUP	JA61_092914-001	91.00
09/29/92	LCS DUP	JA61_092909-002	91.00
10/01/92	LCS	JA61_100113-001	90.00
10/01/92	LCS DUP	JA61_100113-001	91.00
10/01/92	LCS	JA61_100113-002	93.00
10/01/92	LCS DUP	JA61_100113-002	95.00
10/02/92	LCS	JA61_100217-001	94.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Copper continued			
Type of Spike : Laboratory Control			
10/02/92	LCS DUP	JA61_100217-001	92.00
10/05/92	LCS	JA61_100521-010	94.00
10/05/92	LCS DUP	JA61_100521-010	93.00
10/12/92	LCS	JA61_101208-001	87.00
10/12/92	LCS DUP	JA61_101208-001	86.00
-----			
Number of Samples		: 34	Below acceptance : 0
Mean % Recovery		: 91.7	Above acceptance : 0
Standard Deviation		: 2.93	Acceptance Criteria 80-120
Type of Spike : Matrix Spike			
08/28/92	06-DS-02 MS	JA61_082816-010	78.00
08/28/92	06-DS-02 MSD	JA61_082816-010	100.00
08/29/92	05-DS-01 MS	JA61_082915-020	86.00
08/29/92	05-DS-01 MSD	JA61_082915-020	88.00
08/31/92	10-DS-01 MS	JA61_083109-001	90.00
08/31/92	10-DS-01 MSD	JA61_083109-001	91.00
08/31/92	06-DS-01 MS	JA61_083109-001	96.00
08/31/92	06-DS-01 MSD	JA61_083109-001	93.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	90.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	90.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	99.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	73.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	97.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	94.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	94.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	93.00
10/01/92	04-DS-01 MS	JA61_100113-001	94.00
10/01/92	04-DS-01 MSD	JA61_100113-001	92.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	96.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	94.00
10/05/92	07-DS-03 MS	JA61_100521-010	94.00
10/05/92	07-DS-03 MSD	JA61_100521-010	106.00
-----			
Number of Samples		: 22	Below acceptance : 1
Mean % Recovery		: 92.2	Above acceptance : 0
Standard Deviation		: 6.93	Acceptance Criteria 75-125

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Iron			
Type of Spike : Laboratory Control			
08/07/92	LCS	JA61_080713-001	94.00
08/07/92	LCS DUP	JA61_080713-001	97.00
08/10/92	LCS	JA61_081010-001	94.00
08/10/92	LCS DUP	JA61_081010-001	97.00
08/28/92	LCS	JA61_082816-010	93.00
08/28/92	LCS DUP	JA61_082816-010	93.00
08/29/92	LCS	JA61_082915-020	94.00
08/29/92	LCS DUP	JA61_082915-020	93.00
08/31/92	LCS	JA61_083109-001	95.00
08/31/92	LCS DUP	JA61_083109-001	96.00
09/12/92	LCS	JA61_091215-002	90.00
09/12/92	LCS DUP	JA61_091215-002	89.00
09/24/92	LCS	JA61_092410-001	90.00
09/24/92	LCS DUP	JA61_092410-001	89.00
09/27/92	LCS	JA61_092716-001	93.00
09/27/92	LCS DUP	JA61_092716-001	92.00
09/29/92	LCS	JA61_092914-001	94.00
09/29/92	LCS DUP	JA61_092914-001	94.00
09/29/92	LCS	JA61_092909-001	93.00
09/29/92	LCS DUP	JA61_092909-001	93.00
09/29/92	LCS	JA61_092909-002	95.00
09/29/92	LCS	JA61_092914-001	94.00
09/29/92	LCS DUP	JA61_092914-001	93.00
09/29/92	LCS DUP	JA61_092909-002	94.00
10/01/92	LCS	JA61_100113-001	90.00
10/01/92	LCS DUP	JA61_100113-001	91.00
10/01/92	LCS	JA61_100113-002	91.00
10/01/92	LCS DUP	JA61_100113-002	92.00
10/02/92	LCS	JA61_100217-001	94.00
10/02/92	LCS DUP	JA61_100217-001	93.00
10/05/92	LCS	JA61_100521-010	94.00
10/05/92	LCS DUP	JA61_100521-010	92.00
10/12/92	LCS	JA61_101208-001	90.00
10/12/92	LCS DUP	JA61_101208-001	89.00
-----			
Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 92.8	Above acceptance :	0
Standard Deviation	: 2.14	Acceptance Criteria	80-120

Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	0.00
08/28/92	06-DS-02 MSD	JA61_082816-010	364.00
08/29/92	05-DS-01 MS	JA61_082915-020	0.00
08/29/92	05-DS-01 MSD	JA61_082915-020	0.00
08/31/92	10-DS-01 MS	JA61_083109-001	16.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Iron continued			
Type of Spike : Matrix Spike			
08/31/92	10-DS-01 MSD	JA61_083109-001	60.00
08/31/92	06-DS-01 MS	JA61_083109-001	18.00
08/31/92	06-DS-01 MSD	JA61_083109-001	39.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	220.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	318.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	42.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	76.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	0.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	0.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	251.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	156.00
10/01/92	04-DS-01 MS	JA61_100113-001	116.00
10/01/92	04-DS-01 MSD	JA61_100113-001	149.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	427.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	247.00
10/05/92	07-DS-03 MS	JA61_100521-010	129.00
10/05/92	07-DS-03 MSD	JA61_100521-010	214.00

Number of Samples	: 22	Below acceptance :	10
Mean % Recovery	: 129.2	Above acceptance :	10
Standard Deviation	: 130.36	Acceptance Criteria	75-125

Method : SW6010  
Spiked Analyte : Lead

Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	92.00
08/07/92	LCS DUP	JA61_080713-001	93.00
08/10/92	LCS	JA61_081010-001	93.00
08/10/92	LCS DUP	JA61_081010-001	96.00
08/28/92	LCS	JA61_082816-010	96.00
08/28/92	LCS DUP	JA61_082816-010	96.00
08/29/92	LCS	JA61_082915-020	101.00
08/29/92	LCS DUP	JA61_082915-020	99.00
08/31/92	LCS	JA61_083109-001	92.00
08/31/92	LCS DUP	JA61_083109-001	94.00
09/12/92	LCS	JA61_091215-002	88.00
09/12/92	LCS DUP	JA61_091215-002	82.00
09/24/92	LCS	JA61_092410-001	86.00
09/24/92	LCS DUP	JA61_092410-001	87.00
09/27/92	LCS	JA61_092716-001	94.00
09/27/92	LCS DUP	JA61_092716-001	94.00
09/29/92	LCS	JA61_092914-001	89.00
09/29/92	LCS DUP	JA61_092914-001	91.00
09/29/92	LCS	JA61_092909-001	93.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW6010

Spiked Analyte : Lead continued

Type of Spike : Laboratory Control

09/29/92	LCS DUP	JA61_092909-001	94.00
09/29/92	LCS	JA61_092909-002	92.00
09/29/92	LCS	JA61_092914-001	91.00
09/29/92	LCS DUP	JA61_092914-001	90.00
09/29/92	LCS DUP	JA61_092909-002	94.00
10/01/92	LCS	JA61_100113-001	87.00
10/01/92	LCS DUP	JA61_100113-001	92.00
10/01/92	LCS	JA61_100113-002	87.00
10/01/92	LCS DUP	JA61_100113-002	89.00
10/02/92	LCS	JA61_100217-001	98.00
10/02/92	LCS DUP	JA61_100217-001	99.00
10/05/92	LCS	JA61_100521-010	93.00
10/05/92	LCS DUP	JA61_100521-010	88.00
10/12/92	LCS	JA61_101208-001	86.00
10/12/92	LCS DUP	JA61_101208-001	86.00

Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 91.8	Above acceptance :	0
Standard Deviation	: 4.35	Acceptance Criteria	80-120

Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	97.00
08/28/92	06-DS-02 MSD	JA61_082816-010	95.00
08/29/92	05-DS-01 MS	JA61_082915-020	91.00
08/29/92	05-DS-01 MSD	JA61_082915-020	92.00
08/31/92	10-DS-01 MS	JA61_083109-001	87.00
08/31/92	10-DS-01 MSD	JA61_083109-001	92.00
08/31/92	06-DS-01 MS	JA61_083109-001	93.00
08/31/92	06-DS-01 MSD	JA61_083109-001	93.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	90.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	85.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	86.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	75.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	94.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	992.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	90.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	94.00
10/01/92	04-DS-01 MS	JA61_100113-001	89.00
10/01/92	04-DS-01 MSD	JA61_100113-001	92.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	92.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	90.00
10/05/92	07-DS-03 MS	JA61_100521-010	92.00
10/05/92	07-DS-03 MSD	JA61_100521-010	103.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Lead continued			
Type of Spike : Matrix Spike			
Number of Samples	: 22	Below acceptance :	0
Mean % Recovery	: 132.0	Above acceptance :	1
Standard Deviation	: 192.15	Acceptance Criteria	75-125
Method : SW6010			
Spiked Analyte : Magnesium			
Type of Spike : Laboratory Control			
08/07/92	LCS	JA61_080713-001	90.00
08/07/92	LCS DUP	JA61_080713-001	93.00
08/10/92	LCS	JA61_081010-001	89.00
08/10/92	LCS DUP	JA61_081010-001	92.00
08/28/92	LCS	JA61_082816-010	89.00
08/28/92	LCS DUP	JA61_082816-010	89.00
08/29/92	LCS	JA61_082915-020	95.00
08/29/92	LCS DUP	JA61_082915-020	94.00
08/31/92	LCS	JA61_083109-001	92.00
08/31/92	LCS DUP	JA61_083109-001	92.00
09/12/92	LCS	JA61_091215-002	88.00
09/12/92	LCS DUP	JA61_091215-002	88.00
09/24/92	LCS	JA61_092410-001	89.00
09/24/92	LCS DUP	JA61_092410-001	88.00
09/27/92	LCS	JA61_092716-001	92.00
09/27/92	LCS DUP	JA61_092716-001	92.00
09/29/92	LCS	JA61_092914-001	92.00
09/29/92	LCS DUP	JA61_092914-001	92.00
09/29/92	LCS	JA61_092909-001	92.00
09/29/92	LCS DUP	JA61_092909-001	92.00
09/29/92	LCS	JA61_092909-002	92.00
09/29/92	LCS	JA61_092914-001	91.00
09/29/92	LCS DUP	JA61_092914-001	90.00
09/29/92	LCS DUP	JA61_092909-002	92.00
10/01/92	LCS	JA61_100113-001	89.00
10/01/92	LCS DUP	JA61_100113-001	90.00
10/01/92	LCS	JA61_100113-002	89.00
10/01/92	LCS DUP	JA61_100113-002	89.00
10/02/92	LCS	JA61_100217-001	92.00
10/02/92	LCS DUP	JA61_100217-001	91.00
10/05/92	LCS	JA61_100521-010	92.00
10/05/92	LCS DUP	JA61_100521-010	90.00
10/12/92	LCS	JA61_101208-001	90.00
10/12/92	LCS DUP	JA61_101208-001	90.00
Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 90.8	Above acceptance :	0
Standard Deviation	: 1.75	Acceptance Criteria	80-120

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Magnesium continued			
Type of Spike : Laboratory Control			
Type of Spike : Matrix Spike			
08/28/92	06-DS-02 MS	JA61_082816-010	0.00
08/28/92	06-DS-02 MSD	JA61_082816-010	201.00
08/29/92	05-DS-01 MS	JA61_082915-020	62.00
08/29/92	05-DS-01 MSD	JA61_082915-020	43.00
08/31/92	10-DS-01 MS	JA61_083109-001	114.00
08/31/92	10-DS-01 MSD	JA61_083109-001	103.00
08/31/92	06-DS-01 MS	JA61_083109-001	59.00
08/31/92	06-DS-01 MSD	JA61_083109-001	85.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	146.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	177.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	74.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	135.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	91.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	93.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	179.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	156.00
10/01/92	04-DS-01 MS	JA61_100113-001	77.00
10/01/92	04-DS-01 MSD	JA61_100113-001	82.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	206.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	165.00
10/05/92	07-DS-03 MS	JA61_100521-010	129.00
10/05/92	07-DS-03 MSD	JA61_100521-010	149.00

Number of Samples : 22  
Mean % Recovery : 114.8  
Standard Deviation : 53.98

Below acceptance : 5  
Above acceptance : 10  
Acceptance Criteria 75-125

Method : SW6010  
Spiked Analyte : Manganese

Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	93.00
08/07/92	LCS DUP	JA61_080713-001	96.00
08/10/92	LCS	JA61_081010-001	93.00
08/10/92	LCS DUP	JA61_081010-001	96.00
08/28/92	LCS	JA61_082816-010	92.00
08/28/92	LCS DUP	JA61_082816-010	92.00
08/29/92	LCS	JA61_082915-020	94.00
08/29/92	LCS DUP	JA61_082915-020	93.00
08/31/92	LCS	JA61_083109-001	92.00
08/31/92	LCS DUP	JA61_083109-001	94.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Manganese continued			
Type of Spike : Laboratory Control			
09/12/92	LCS	JA61_091215-002	88.00
09/12/92	LCS DUP	JA61_091215-002	84.00
09/24/92	LCS	JA61_092410-001	86.00
09/24/92	LCS DUP	JA61_092410-001	88.00
09/27/92	LCS	JA61_092716-001	95.00
09/27/92	LCS DUP	JA61_092716-001	94.00
09/29/92	LCS	JA61_092914-001	92.00
09/29/92	LCS DUP	JA61_092914-001	93.00
09/29/92	LCS	JA61_092909-001	93.00
09/29/92	LCS DUP	JA61_092909-001	92.00
09/29/92	LCS	JA61_092909-002	92.00
09/29/92	LCS	JA61_092914-001	93.00
09/29/92	LCS DUP	JA61_092914-001	92.00
09/29/92	LCS DUP	JA61_092909-002	92.00
10/01/92	LCS	JA61_100113-001	91.00
10/01/92	LCS DUP	JA61_100113-001	92.00
10/01/92	LCS	JA61_100113-002	92.00
10/01/92	LCS DUP	JA61_100113-002	93.00
10/02/92	LCS	JA61_100217-001	94.00
10/02/92	LCS DUP	JA61_100217-001	92.00
10/05/92	LCS	JA61_100521-010	92.00
10/05/92	LCS DUP	JA61_100521-010	89.00
10/12/92	LCS	JA61_101208-001	87.00
10/12/92	LCS DUP	JA61_101208-001	86.00

Number of Samples : 34  
Mean % Recovery : 91.7  
Standard Deviation : 2.83

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria 80-120

Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	0.00
08/28/92	06-DS-02 MSD	JA61_082816-010	177.00
08/29/92	05-DS-01 MS	JA61_082915-020	77.00
08/29/92	05-DS-01 MSD	JA61_082915-020	66.00
08/31/92	10-DS-01 MS	JA61_083109-001	36.00
08/31/92	10-DS-01 MSD	JA61_083109-001	91.00
08/31/92	06-DS-01 MS	JA61_083109-001	66.00
08/31/92	06-DS-01 MSD	JA61_083109-001	75.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	108.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	126.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	12.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	55.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	93.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	70.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	238.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Manganese continued			
Type of Spike : Matrix Spike			
09/29/92	07-MW-04-02 MSD	JA61_092914-001	192.00
10/01/92	04-DS-01 MS	JA61_100113-001	149.00
10/01/92	04-DS-01 MSD	JA61_100113-001	140.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	158.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	100.00
10/05/92	07-DS-03 MS	JA61_100521-010	104.00
10/05/92	07-DS-03 MSD	JA61_100521-010	273.00

Number of Samples : 22  
Mean % Recovery : 109.4  
Standard Deviation : 68.28

Below acceptance : 7  
Above acceptance : 8  
Acceptance Criteria 75-125

Method : SW6010  
Spiked Analyte : Molybdenum  
Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	91.00
08/07/92	LCS DUP	JA61_080713-001	95.00
08/10/92	LCS	JA61_081010-001	94.00
08/10/92	LCS DUP	JA61_081010-001	97.00
08/28/92	LCS	JA61_082816-010	95.00
08/28/92	LCS DUP	JA61_082816-010	93.00
08/29/92	LCS	JA61_082915-020	95.00
08/29/92	LCS DUP	JA61_082915-020	94.00
08/31/92	LCS	JA61_083109-001	92.00
08/31/92	LCS DUP	JA61_083109-001	94.00
09/12/92	LCS	JA61_091215-002	87.00
09/12/92	LCS DUP	JA61_091215-002	83.00
09/24/92	LCS	JA61_092410-001	88.00
09/24/92	LCS DUP	JA61_092410-001	90.00
09/27/92	LCS	JA61_092716-001	95.00
09/27/92	LCS DUP	JA61_092716-001	94.00
09/29/92	LCS	JA61_092914-001	91.00
09/29/92	LCS DUP	JA61_092914-001	92.00
09/29/92	LCS	JA61_092909-001	91.00
09/29/92	LCS DUP	JA61_092909-001	91.00
09/29/92	LCS	JA61_092909-002	90.00
09/29/92	LCS	JA61_092914-001	90.00
09/29/92	LCS DUP	JA61_092914-001	90.00
09/29/92	LCS DUP	JA61_092909-002	91.00
10/01/92	LCS	JA61_100113-001	91.00
10/01/92	LCS DUP	JA61_100113-001	92.00
10/01/92	LCS	JA61_100113-002	91.00
10/01/92	LCS DUP	JA61_100113-002	93.00
10/02/92	LCS	JA61_100217-001	96.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Molybdenum continued			
Type of Spike : Laboratory Control			
10/02/92	LCS DUP	JA61_100217-001	95.00
10/05/92	LCS	JA61_100521-010	90.00
10/05/92	LCS DUP	JA61_100521-010	88.00
10/12/92	LCS	JA61_101208-001	94.00
10/12/92	LCS DUP	JA61_101208-001	93.00
-----			
Number of Samples		: 34	Below acceptance : 0
Mean % Recovery		: 91.9	Above acceptance : 0
Standard Deviation		: 2.88	Acceptance Criteria 80-120
Type of Spike : Matrix Spike			
08/28/92	06-DS-02 MS	JA61_082816-010	96.00
08/28/92	06-DS-02 MSD	JA61_082816-010	93.00
08/29/92	05-DS-01 MS	JA61_082915-020	91.00
08/29/92	05-DS-01 MSD	JA61_082915-020	94.00
08/31/92	10-DS-01 MS	JA61_083109-001	90.00
08/31/92	10-DS-01 MSD	JA61_083109-001	90.00
08/31/92	06-DS-01 MS	JA61_083109-001	92.00
08/31/92	06-DS-01 MSD	JA61_083109-001	94.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	84.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	84.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	91.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	90.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	96.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	95.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	90.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	90.00
10/01/92	04-DS-01 MS	JA61_100113-001	88.00
10/01/92	04-DS-01 MSD	JA61_100113-001	88.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	87.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	88.00
10/05/92	07-DS-03 MS	JA61_100521-010	91.00
10/05/92	07-DS-03 MSD	JA61_100521-010	100.00
-----			
Number of Samples		: 22	Below acceptance : 0
Mean % Recovery		: 91.0	Above acceptance : 0
Standard Deviation		: 3.88	Acceptance Criteria 75-125

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Nickel			
Type of Spike : Laboratory Control			
08/07/92	LCS	JA61_080713-001	93.00
08/07/92	LCS DUP	JA61_080713-001	96.00
08/10/92	LCS	JA61_081010-001	94.00
08/10/92	LCS DUP	JA61_081010-001	96.00
08/28/92	LCS	JA61_082816-010	91.00
08/28/92	LCS DUP	JA61_082816-010	92.00
08/29/92	LCS	JA61_082915-020	95.00
08/29/92	LCS DUP	JA61_082915-020	96.00
08/31/92	LCS	JA61_083109-001	91.00
08/31/92	LCS DUP	JA61_083109-001	91.00
09/12/92	LCS	JA61_091215-002	90.00
09/12/92	LCS DUP	JA61_091215-002	86.00
09/24/92	LCS	JA61_092410-001	89.00
09/24/92	LCS DUP	JA61_092410-001	91.00
09/27/92	LCS	JA61_092716-001	94.00
09/27/92	LCS DUP	JA61_092716-001	96.00
09/29/92	LCS	JA61_092914-001	92.00
09/29/92	LCS DUP	JA61_092914-001	94.00
09/29/92	LCS	JA61_092909-001	92.00
09/29/92	LCS DUP	JA61_092909-001	92.00
09/29/92	LCS	JA61_092909-002	94.00
09/29/92	LCS	JA61_092914-001	95.00
09/29/92	LCS DUP	JA61_092914-001	92.00
09/29/92	LCS DUP	JA61_092909-002	91.00
10/01/92	LCS	JA61_100113-001	93.00
10/01/92	LCS DUP	JA61_100113-001	92.00
10/01/92	LCS	JA61_100113-002	91.00
10/01/92	LCS DUP	JA61_100113-002	92.00
10/02/92	LCS	JA61_100217-001	95.00
10/02/92	LCS DUP	JA61_100217-001	93.00
10/05/92	LCS	JA61_100521-010	91.00
10/05/92	LCS DUP	JA61_100521-010	90.00
10/12/92	LCS	JA61_101208-001	89.00
10/12/92	LCS DUP	JA61_101208-001	88.00

Number of Samples : 34  
Mean % Recovery : 92.3  
Standard Deviation : 2.42

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria 80-120

Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	80.00
08/28/92	06-DS-02 MSD	JA61_082816-010	92.00
08/29/92	05-DS-01 MS	JA61_082915-020	86.00
08/29/92	05-DS-01 MSD	JA61_082915-020	83.00
08/31/92	10-DS-01 MS	JA61_083109-001	87.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Nickel continued			
Type of Spike : Matrix Spike			
08/31/92	10-DS-01 MSD	JA61_083109-001	87.00
08/31/92	06-DS-01 MS	JA61_083109-001	91.00
08/31/92	06-DS-01 MSD	JA61_083109-001	89.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	90.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	90.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	88.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	94.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	92.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	92.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	92.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	93.00
10/01/92	04-DS-01 MS	JA61_100113-001	89.00
10/01/92	04-DS-01 MSD	JA61_100113-001	88.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	94.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	94.00
10/05/92	07-DS-03 MS	JA61_100521-010	90.00
10/05/92	07-DS-03 MSD	JA61_100521-010	99.00

Number of Samples	: 22	Below acceptance :	0
Mean % Recovery	: 90.0	Above acceptance :	0
Standard Deviation	: 4.07	Acceptance Criteria	75-125

Method : SW6010  
 Spiked Analyte : Potassium  
 Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	94.00
08/07/92	LCS DUP	JA61_080713-001	100.00
08/10/92	LCS	JA61_081010-001	93.00
08/10/92	LCS DUP	JA61_081010-001	90.00
08/28/92	LCS	JA61_082816-010	92.00
08/28/92	LCS DUP	JA61_082816-010	92.00
08/29/92	LCS	JA61_082915-020	93.00
08/29/92	LCS DUP	JA61_082915-020	91.00
08/31/92	LCS	JA61_083109-001	93.00
08/31/92	LCS DUP	JA61_083109-001	91.00
09/12/92	LCS	JA61_091215-002	90.00
09/12/92	LCS DUP	JA61_091215-002	90.00
09/24/92	LCS	JA61_092410-001	87.00
09/24/92	LCS DUP	JA61_092410-001	85.00
09/27/92	LCS	JA61_092716-001	96.00
09/27/92	LCS DUP	JA61_092716-001	94.00
09/29/92	LCS	JA61_092914-001	98.00
09/29/92	LCS DUP	JA61_092914-001	99.00
09/29/92	LCS	JA61_092909-001	98.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Potassium continued			
Type of Spike : Laboratory Control			
09/29/92	LCS DUP	JA61_092909-001	96.00
09/29/92	LCS	JA61_092909-002	98.00
09/29/92	LCS	JA61_092914-001	98.00
09/29/92	LCS DUP	JA61_092914-001	96.00
09/29/92	LCS DUP	JA61_092909-002	99.00
10/01/92	LCS	JA61_100113-001	88.00
10/01/92	LCS DUP	JA61_100113-001	89.00
10/01/92	LCS	JA61_100113-002	92.00
10/01/92	LCS DUP	JA61_100113-002	93.00
10/02/92	LCS	JA61_100217-001	90.00
10/02/92	LCS DUP	JA61_100217-001	93.00
10/05/92	LCS	JA61_100521-010	94.00
10/05/92	LCS DUP	JA61_100521-010	90.00
10/12/92	LCS	JA61_101208-001	89.00
10/12/92	LCS DUP	JA61_101208-001	88.00

Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 92.9	Above acceptance :	0
Standard Deviation	: 3.85	Acceptance Criteria	80-120

## Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	76.00
08/28/92	06-DS-02 MSD	JA61_082816-010	94.00
08/29/92	05-DS-01 MS	JA61_082915-020	84.00
08/29/92	05-DS-01 MSD	JA61_082915-020	84.00
08/31/92	10-DS-01 MS	JA61_083109-001	93.00
08/31/92	10-DS-01 MSD	JA61_083109-001	90.00
08/31/92	06-DS-01 MS	JA61_083109-001	92.00
08/31/92	06-DS-01 MSD	JA61_083109-001	92.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	113.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	121.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	104.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	100.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	94.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	90.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	105.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	119.00
10/01/92	04-DS-01 MS	JA61_100113-001	99.00
10/01/92	04-DS-01 MSD	JA61_100113-001	109.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	111.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	94.00
10/05/92	07-DS-03 MS	JA61_100521-010	141.00
10/05/92	07-DS-03 MSD	JA61_100521-010	147.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Potassium continued			
Type of Spike : Matrix Spike			
Number of Samples	: 22	Below acceptance :	0
Mean % Recovery	: 102.4	Above acceptance :	2
Standard Deviation	: 17.67	Acceptance Criteria	75-125
Method : SW6010			
Spiked Analyte : Selenium			
Type of Spike : Laboratory Control			
08/07/92	LCS	JA61_080713-001	96.00
08/07/92	LCS DUP	JA61_080713-001	87.00
08/10/92	LCS	JA61_081010-001	93.00
08/10/92	LCS DUP	JA61_081010-001	86.00
08/28/92	LCS	JA61_082816-010	73.00
08/28/92	LCS DUP	JA61_082816-010	86.00
08/29/92	LCS	JA61_082915-020	114.00
08/29/92	LCS DUP	JA61_082915-020	84.00
08/31/92	LCS	JA61_083109-001	108.00
08/31/92	LCS DUP	JA61_083109-001	98.00
09/12/92	LCS	JA61_091215-002	90.00
09/12/92	LCS DUP	JA61_091215-002	86.00
09/24/92	LCS	JA61_092410-001	86.00
09/24/92	LCS DUP	JA61_092410-001	86.00
09/27/92	LCS	JA61_092716-001	94.00
09/27/92	LCS DUP	JA61_092716-001	97.00
09/29/92	LCS	JA61_092914-001	85.00
09/29/92	LCS DUP	JA61_092914-001	86.00
09/29/92	LCS	JA61_092909-001	82.00
09/29/92	LCS DUP	JA61_092909-001	85.00
09/29/92	LCS	JA61_092909-002	82.00
09/29/92	LCS	JA61_092914-001	86.00
09/29/92	LCS DUP	JA61_092914-001	80.00
09/29/92	LCS DUP	JA61_092909-002	82.00
10/01/92	LCS	JA61_100113-001	91.00
10/01/92	LCS DUP	JA61_100113-001	92.00
10/01/92	LCS	JA61_100113-002	97.00
10/01/92	LCS DUP	JA61_100113-002	92.00
10/02/92	LCS	JA61_100217-001	91.00
10/02/92	LCS DUP	JA61_100217-001	84.00
10/05/92	LCS	JA61_100521-010	83.00
10/05/92	LCS DUP	JA61_100521-010	84.00
10/12/92	LCS	JA61_101208-001	81.00
10/12/92	LCS DUP	JA61_101208-001	91.00
Number of Samples	: 34	Below acceptance :	1
Mean % Recovery	: 88.8	Above acceptance :	0
Standard Deviation	: 7.92	Acceptance Criteria	80-120

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Selenium continued			
Type of Spike : Laboratory Control			
Type of Spike : Matrix Spike			
08/28/92	06-DS-02 MS	JA61_082816-010	100.00
08/28/92	06-DS-02 MSD	JA61_082816-010	95.00
08/29/92	05-DS-01 MS	JA61_082915-020	128.00
08/29/92	05-DS-01 MSD	JA61_082915-020	118.00
08/31/92	10-DS-01 MS	JA61_083109-001	100.00
08/31/92	10-DS-01 MSD	JA61_083109-001	103.00
08/31/92	06-DS-01 MS	JA61_083109-001	95.00
08/31/92	06-DS-01 MSD	JA61_083109-001	133.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	99.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	93.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	85.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	92.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	89.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	94.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	88.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	85.00
10/01/92	04-DS-01 MS	JA61_100113-001	87.00
10/01/92	04-DS-01 MSD	JA61_100113-001	92.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	97.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	90.00
10/05/92	07-DS-03 MS	JA61_100521-010	93.00
10/05/92	07-DS-03 MSD	JA61_100521-010	99.00

Number of Samples	: 22	Below acceptance :	0
Mean % Recovery	: 98.0	Above acceptance :	2
Standard Deviation	: 12.76	Acceptance Criteria	75-125

Method : SW6010  
Spiked Analyte : Silver

Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	92.00
08/07/92	LCS DUP	JA61_080713-001	94.00
08/10/92	LCS	JA61_081010-001	91.00
08/10/92	LCS DUP	JA61_081010-001	94.00
08/28/92	LCS	JA61_082816-010	87.00
08/28/92	LCS DUP	JA61_082816-010	90.00
08/29/92	LCS	JA61_082915-020	94.00
08/29/92	LCS DUP	JA61_082915-020	93.00
08/31/92	LCS	JA61_083109-001	86.00
08/31/92	LCS DUP	JA61_083109-001	91.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Silver continued			
Type of Spike : Laboratory Control			
09/12/92	LCS	JA61_091215-002	68.00
09/12/92	LCS DUP	JA61_091215-002	83.00
09/24/92	LCS	JA61_092410-001	84.00
09/24/92	LCS DUP	JA61_092410-001	86.00
09/27/92	LCS	JA61_092716-001	87.00
09/27/92	LCS DUP	JA61_092716-001	94.00
09/29/92	LCS	JA61_092914-001	90.00
09/29/92	LCS DUP	JA61_092914-001	92.00
09/29/92	LCS	JA61_092909-001	92.00
09/29/92	LCS DUP	JA61_092909-001	84.00
09/29/92	LCS	JA61_092909-002	90.00
09/29/92	LCS	JA61_092914-001	91.00
09/29/92	LCS DUP	JA61_092914-001	90.00
09/29/92	LCS DUP	JA61_092909-002	90.00
10/01/92	LCS	JA61_100113-001	90.00
10/01/92	LCS DUP	JA61_100113-001	90.00
10/01/92	LCS	JA61_100113-002	91.00
10/01/92	LCS DUP	JA61_100113-002	92.00
10/02/92	LCS	JA61_100217-001	95.00
10/02/92	LCS DUP	JA61_100217-001	93.00
10/05/92	LCS	JA61_100521-010	92.00
10/05/92	LCS DUP	JA61_100521-010	91.00
10/12/92	LCS	JA61_101208-001	81.00
10/12/92	LCS DUP	JA61_101208-001	82.00

Number of Samples	: 34	Below acceptance :	1
Mean % Recovery	: 89.1	Above acceptance :	0
Standard Deviation	: 5.24	Acceptance Criteria	80-120

Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	90.00
08/28/92	06-DS-02 MSD	JA61_082816-010	88.00
08/29/92	05-DS-01 MS	JA61_082915-020	89.00
08/29/92	05-DS-01 MSD	JA61_082915-020	89.00
08/31/92	10-DS-01 MS	JA61_083109-001	89.00
08/31/92	10-DS-01 MSD	JA61_083109-001	88.00
08/31/92	06-DS-01 MS	JA61_083109-001	89.00
08/31/92	06-DS-01 MSD	JA61_083109-001	89.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	86.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	87.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	80.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	84.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	84.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	84.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	88.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Silver continued			
Type of Spike : Matrix Spike			
09/29/92	07-MW-04-02 MSD	JA61_092914-001	94.00
10/01/92	04-DS-01 MS	JA61_100113-001	87.00
10/01/92	04-DS-01 MSD	JA61_100113-001	85.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	86.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	88.00
10/05/92	07-DS-03 MS	JA61_100521-010	88.00
10/05/92	07-DS-03 MSD	JA61_100521-010	94.00
-----			
Number of Samples	: 22	Below acceptance :	0
Mean % Recovery	: 87.5	Above acceptance :	0
Standard Deviation	: 3.14	Acceptance Criteria	75-125

Method : SW6010  
Spiked Analyte : Sodium

Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	99.00
08/07/92	LCS DUP	JA61_080713-001	102.00
08/10/92	LCS	JA61_081010-001	100.00
08/10/92	LCS DUP	JA61_081010-001	103.00
08/28/92	LCS	JA61_082816-010	95.00
08/28/92	LCS DUP	JA61_082816-010	94.00
08/29/92	LCS	JA61_082915-020	98.00
08/29/92	LCS DUP	JA61_082915-020	98.00
08/31/92	LCS	JA61_083109-001	95.00
08/31/92	LCS DUP	JA61_083109-001	96.00
09/12/92	LCS	JA61_091215-002	93.00
09/12/92	LCS DUP	JA61_091215-002	92.00
09/24/92	LCS	JA61_092410-001	93.00
09/24/92	LCS DUP	JA61_092410-001	92.00
09/27/92	LCS	JA61_092716-001	95.00
09/27/92	LCS DUP	JA61_092716-001	95.00
09/29/92	LCS	JA61_092914-001	93.00
09/29/92	LCS DUP	JA61_092914-001	93.00
09/29/92	LCS	JA61_092909-001	92.00
09/29/92	LCS DUP	JA61_092909-001	92.00
09/29/92	LCS	JA61_092909-002	92.00
09/29/92	LCS	JA61_092914-001	93.00
09/29/92	LCS DUP	JA61_092914-001	92.00
09/29/92	LCS DUP	JA61_092909-002	92.00
10/01/92	LCS	JA61_100113-001	92.00
10/01/92	LCS DUP	JA61_100113-001	93.00
10/01/92	LCS	JA61_100113-002	94.00
10/01/92	LCS DUP	JA61_100113-002	96.00
10/02/92	LCS	JA61_100217-001	93.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Sodium continued			
Type of Spike : Laboratory Control			
10/02/92	LCS DUP	JA61_100217-001	92.00
10/05/92	LCS	JA61_100521-010	94.00
10/05/92	LCS DUP	JA61_100521-010	92.00
10/12/92	LCS	JA61_101208-001	90.00
10/12/92	LCS DUP	JA61_101208-001	90.00
-----			
Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 94.3	Above acceptance :	0
Standard Deviation	: 3.15	Acceptance Criteria	80-120
Type of Spike : Matrix Spike			
08/28/92	06-DS-02 MS	JA61_082816-010	93.00
08/28/92	06-DS-02 MSD	JA61_082816-010	108.00
08/29/92	05-DS-01 MS	JA61_082915-020	105.00
08/29/92	05-DS-01 MSD	JA61_082915-020	107.00
08/31/92	10-DS-01 MS	JA61_083109-001	102.00
08/31/92	10-DS-01 MSD	JA61_083109-001	107.00
08/31/92	06-DS-01 MS	JA61_083109-001	102.00
08/31/92	06-DS-01 MSD	JA61_083109-001	108.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	116.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	122.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	103.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	103.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	109.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	108.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	101.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	106.00
10/01/92	04-DS-01 MS	JA61_100113-001	107.00
10/01/92	04-DS-01 MSD	JA61_100113-001	116.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	105.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	103.00
10/05/92	07-DS-03 MS	JA61_100521-010	113.00
10/05/92	07-DS-03 MSD	JA61_100521-010	119.00
-----			
Number of Samples	: 22	Below acceptance :	0
Mean % Recovery	: 107.4	Above acceptance :	0
Standard Deviation	: 6.58	Acceptance Criteria	75-125

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Thallium			
Type of Spike : Laboratory Control			
08/07/92	LCS	JA61_080713-001	93.00
08/07/92	LCS DUP	JA61_080713-001	90.00
08/10/92	LCS	JA61_081010-001	86.00
08/10/92	LCS DUP	JA61_081010-001	89.00
08/28/92	LCS	JA61_082816-010	83.00
08/28/92	LCS DUP	JA61_082816-010	90.00
08/29/92	LCS	JA61_082915-020	88.00
08/29/92	LCS DUP	JA61_082915-020	98.00
08/31/92	LCS	JA61_083109-001	88.00
08/31/92	LCS DUP	JA61_083109-001	93.00
09/12/92	LCS	JA61_091215-002	89.00
09/12/92	LCS DUP	JA61_091215-002	82.00
09/24/92	LCS	JA61_092410-001	87.00
09/24/92	LCS DUP	JA61_092410-001	89.00
09/27/92	LCS	JA61_092716-001	93.00
09/27/92	LCS DUP	JA61_092716-001	92.00
09/29/92	LCS	JA61_092914-001	96.00
09/29/92	LCS DUP	JA61_092914-001	95.00
09/29/92	LCS	JA61_092909-001	93.00
09/29/92	LCS DUP	JA61_092909-001	86.00
09/29/92	LCS	JA61_092909-002	90.00
09/29/92	LCS	JA61_092914-001	93.00
09/29/92	LCS DUP	JA61_092914-001	90.00
09/29/92	LCS DUP	JA61_092909-002	93.00
10/01/92	LCS	JA61_100113-001	88.00
10/01/92	LCS DUP	JA61_100113-001	88.00
10/01/92	LCS	JA61_100113-002	88.00
10/01/92	LCS DUP	JA61_100113-002	90.00
10/02/92	LCS	JA61_100217-001	97.00
10/02/92	LCS DUP	JA61_100217-001	91.00
10/05/92	LCS	JA61_100521-010	94.00
10/05/92	LCS DUP	JA61_100521-010	92.00
10/12/92	LCS	JA61_101208-001	90.00
10/12/92	LCS DUP	JA61_101208-001	89.00
-----			
Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 90.4	Above acceptance :	0
Standard Deviation	: 3.59	Acceptance Criteria	80-120

Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	82.00
08/28/92	06-DS-02 MSD	JA61_082816-010	84.00
08/29/92	05-DS-01 MS	JA61_082915-020	87.00
08/29/92	05-DS-01 MSD	JA61_082915-020	81.00
08/31/92	10-DS-01 MS	JA61_083109-001	94.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Thallium continued			
Type of Spike : Matrix Spike			
08/31/92	10-DS-01 MSD	JA61_083109-001	82.00
08/31/92	06-DS-01 MS	JA61_083109-001	89.00
08/31/92	06-DS-01 MSD	JA61_083109-001	85.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	90.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	87.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	91.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	93.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	97.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	91.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	90.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	91.00
10/01/92	04-DS-01 MS	JA61_100113-001	86.00
10/01/92	04-DS-01 MSD	JA61_100113-001	88.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	83.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	88.00
10/05/92	07-DS-03 MS	JA61_100521-010	96.00
10/05/92	07-DS-03 MSD	JA61_100521-010	110.00

Number of Samples : 22  
Mean % Recovery : 89.3  
Standard Deviation : 6.42

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria 75-125

Method : SW6010  
Spiked Analyte : Vanadium

Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	95.00
08/07/92	LCS DUP	JA61_080713-001	98.00
08/10/92	LCS	JA61_081010-001	94.00
08/10/92	LCS DUP	JA61_081010-001	96.00
08/28/92	LCS	JA61_082816-010	94.00
08/28/92	LCS DUP	JA61_082816-010	93.00
08/29/92	LCS	JA61_082915-020	96.00
08/29/92	LCS DUP	JA61_082915-020	95.00
08/31/92	LCS	JA61_083109-001	93.00
08/31/92	LCS DUP	JA61_083109-001	94.00
09/12/92	LCS	JA61_091215-002	88.00
09/12/92	LCS DUP	JA61_091215-002	84.00
09/24/92	LCS	JA61_092410-001	87.00
09/24/92	LCS DUP	JA61_092410-001	89.00
09/27/92	LCS	JA61_092716-001	95.00
09/27/92	LCS DUP	JA61_092716-001	94.00
09/29/92	LCS	JA61_092914-001	92.00
09/29/92	LCS DUP	JA61_092914-001	93.00
09/29/92	LCS	JA61_092909-001	93.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Vanadium continued			
Type of Spike : Laboratory Control			
09/29/92	LCS DUP	JA61_092909-001	93.00
09/29/92	LCS	JA61_092909-002	93.00
09/29/92	LCS	JA61_092914-001	93.00
09/29/92	LCS DUP	JA61_092914-001	92.00
09/29/92	LCS DUP	JA61_092909-002	92.00
10/01/92	LCS	JA61_100113-001	91.00
10/01/92	LCS DUP	JA61_100113-001	91.00
10/01/92	LCS	JA61_100113-002	92.00
10/01/92	LCS DUP	JA61_100113-002	93.00
10/02/92	LCS	JA61_100217-001	96.00
10/02/92	LCS DUP	JA61_100217-001	94.00
10/05/92	LCS	JA61_100521-010	92.00
10/05/92	LCS DUP	JA61_100521-010	90.00
10/12/92	LCS	JA61_101208-001	87.00
10/12/92	LCS DUP	JA61_101208-001	87.00

Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 92.3	Above acceptance :	0
Standard Deviation	: 3.04	Acceptance Criteria	80-120

## Type of Spike : Matrix Spike

08/28/92	06-DS-02 MS	JA61_082816-010	83.00
08/28/92	06-DS-02 MSD	JA61_082816-010	100.00
08/29/92	05-DS-01 MS	JA61_082915-020	92.00
08/29/92	05-DS-01 MSD	JA61_082915-020	92.00
08/31/92	10-DS-01 MS	JA61_083109-001	95.00
08/31/92	10-DS-01 MSD	JA61_083109-001	95.00
08/31/92	06-DS-01 MS	JA61_083109-001	96.00
08/31/92	06-DS-01 MSD	JA61_083109-001	100.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	98.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	102.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	95.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	97.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	95.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	93.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	94.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	100.00
10/01/92	04-DS-01 MS	JA61_100113-001	93.00
10/01/92	04-DS-01 MSD	JA61_100113-001	96.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	101.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	96.00
10/05/92	07-DS-03 MS	JA61_100521-010	108.00
10/05/92	07-DS-03 MSD	JA61_100521-010	121.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW6010

Spiked Analyte : Vanadium continued

Type of Spike : Matrix Spike

Number of Samples	: 22	Below acceptance :	0
Mean % Recovery	: 97.4	Above acceptance :	0
Standard Deviation	: 7.14	Acceptance Criteria	75-125

Method : SW6010

Spiked Analyte : Zinc

Type of Spike : Laboratory Control

08/07/92	LCS	JA61_080713-001	92.00
08/07/92	LCS DUP	JA61_080713-001	94.00
08/10/92	LCS	JA61_081010-001	92.00
08/10/92	LCS DUP	JA61_081010-001	94.00
08/28/92	LCS	JA61_082816-010	89.00
08/28/92	LCS DUP	JA61_082816-010	89.00
08/29/92	LCS	JA61_082915-020	91.00
08/29/92	LCS DUP	JA61_082915-020	90.00
08/31/92	LCS	JA61_083109-001	89.00
08/31/92	LCS DUP	JA61_083109-001	90.00
09/12/92	LCS	JA61_091215-002	87.00
09/12/92	LCS DUP	JA61_091215-002	83.00
09/24/92	LCS	JA61_092410-001	85.00
09/24/92	LCS DUP	JA61_092410-001	87.00
09/27/92	LCS	JA61_092716-001	94.00
09/27/92	LCS DUP	JA61_092716-001	93.00
09/29/92	LCS	JA61_092914-001	90.00
09/29/92	LCS DUP	JA61_092914-001	91.00
09/29/92	LCS	JA61_092909-001	90.00
09/29/92	LCS DUP	JA61_092909-001	91.00
09/29/92	LCS	JA61_092909-002	90.00
09/29/92	LCS	JA61_092914-001	90.00
09/29/92	LCS DUP	JA61_092914-001	90.00
09/29/92	LCS DUP	JA61_092909-002	89.00
10/01/92	LCS	JA61_100113-001	89.00
10/01/92	LCS DUP	JA61_100113-001	90.00
10/01/92	LCS	JA61_100113-002	89.00
10/01/92	LCS DUP	JA61_100113-002	90.00
10/02/92	LCS	JA61_100217-001	93.00
10/02/92	LCS DUP	JA61_100217-001	91.00
10/05/92	LCS	JA61_100521-010	91.00
10/05/92	LCS DUP	JA61_100521-010	88.00
10/12/92	LCS	JA61_101208-001	86.00
10/12/92	LCS DUP	JA61_101208-001	86.00

Number of Samples	: 34	Below acceptance :	0
Mean % Recovery	: 89.8	Above acceptance :	0
Standard Deviation	: 2.53	Acceptance Criteria	80-120

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW6010			
Spiked Analyte : Zinc continued			
Type of Spike : Laboratory Control			
Type of Spike : Matrix Spike			
08/28/92	06-DS-02 MS	JA61_082816-010	61.00
08/28/92	06-DS-02 MSD	JA61_082816-010	103.00
08/29/92	05-DS-01 MS	JA61_082915-020	81.00
08/29/92	05-DS-01 MSD	JA61_082915-020	80.00
08/31/92	10-DS-01 MS	JA61_083109-001	88.00
08/31/92	10-DS-01 MSD	JA61_083109-001	90.00
08/31/92	06-DS-01 MS	JA61_083109-001	88.00
08/31/92	06-DS-01 MSD	JA61_083109-001	87.00
09/12/92	05-MW-04-02 MS	JA61_091215-002	90.00
09/12/92	05-MW-04-02 MSD	JA61_091215-002	91.00
09/24/92	06-SS-01-01 MS	JA61_092410-001	113.00
09/24/92	06-SS-01-01 MSD	JA61_092410-001	0.00
09/27/92	01-SS-07-01 MS	JA61_092716-001	88.00
09/27/92	01-SS-07-01 MSD	JA61_092716-001	104.00
09/29/92	07-MW-04-02 MS	JA61_092914-001	97.00
09/29/92	07-MW-04-02 MSD	JA61_092914-001	92.00
10/01/92	04-DS-01 MS	JA61_100113-001	86.00
10/01/92	04-DS-01 MSD	JA61_100113-001	85.00
10/01/92	07-MW-03-02 MS	JA61_100113-002	99.00
10/01/92	07-MW-03-02 MSD	JA61_100113-002	95.00
10/05/92	07-DS-03 MS	JA61_100521-010	88.00
10/05/92	07-DS-03 MSD	JA61_100521-010	101.00

Number of Samples	: 22	Below acceptance :	2
Mean % Recovery	: 86.7	Above acceptance :	0
Standard Deviation	: 21.95	Acceptance Criteria	75-125

Method : SW7060  
Spiked Analyte : Arsenic

Type of Spike : Laboratory Control

08/13/92	LCS	Z1__081312-001	100.00
08/13/92	LCS DUP	Z1__081312-001	101.00
08/19/92	LCS	Z3__081913-001	99.00
08/19/92	LCS DUP	Z3__081913-001	101.00
08/23/92	LCS	Z3__082309-003	90.00
08/23/92	LCS DUP	Z3__082309-003	90.00
08/25/92	LCS	Z3__082508-002	87.00
08/25/92	LCS DUP	Z3__082508-002	86.00
08/28/92	LCS	Z3__082808-001	97.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW7060			
Spiked Analyte : Arsenic continued			
Type of Spike : Laboratory Control			
08/28/92	LCS DUP	Z3__082808-001	99.00
08/28/92	LCS	Z3__082813-002	99.00
08/28/92	LCS DUP	Z3__082813-002	98.00
08/28/92	LCS	Z3__082813-001	97.00
08/28/92	LCS DUP	Z3__082813-001	98.00
09/02/92	LCS	Z3__090208-001	98.00
09/02/92	LCS DUP	Z3__090208-001	96.00
09/02/92	LCS	Z3__090208-002	95.00
09/02/92	LCS DUP	Z3__090208-002	96.00
09/02/92	LCS	Z3__090214-001	98.00
09/02/92	LCS DUP	Z3__090214-001	98.00
09/02/92	LCS	Z3__090214-001	99.00
09/02/92	LCS DUP	Z3__090214-001	100.00
09/08/92	LCS	Z3__090808-001	97.00
09/08/92	LCS DUP	Z3__090808-001	95.00
09/08/92	LCS	Z3__090813-002	95.00
09/08/92	LCS DUP	Z3__090813-002	93.00
09/08/92	LCS	Z3__090813-001	98.00
09/08/92	LCS DUP	Z3__090813-001	97.00
09/09/92	LCS	Z3__090916-001	96.00
09/09/92	LCS DUP	Z3__090916-001	95.00
09/10/92	LCS	Z3__091010-001	99.00
09/10/92	LCS DUP	Z3__091010-001	100.00
09/13/92	LCS	Z3__091309-002	90.00
09/13/92	LCS DUP	Z3__091309-002	88.00
09/13/92	LCS	Z3__091309-001	104.00
09/13/92	LCS DUP	Z3__091309-001	102.00
09/16/92	LCS	Z3__091608-003	89.00
09/16/92	LCS DUP	Z3__091608-003	89.00
09/25/92	LCS	Z3__092509-001	98.00
09/25/92	LCS DUP	Z3__092509-001	97.00

Number of Samples	: 40	Below acceptance :	0
Mean % Recovery	: 96.1	Above acceptance :	0
Standard Deviation	: 4.35	Acceptance Criteria	85-115

Type of Spike : Matrix Spike

08/23/92	10-DS-01 MS	Z3__082309-003	104.00
08/23/92	10-DS-01 MSD	Z3__082309-003	107.00
08/23/92	06-DS-01 MS	Z3__082309-003	84.00
08/23/92	06-DS-01 MSD	Z3__082309-003	79.00
08/25/92	06-DS-02 MS	Z3__082508-002	72.00
08/25/92	06-DS-02 MSD	Z3__082508-002	74.00
08/28/92	05-DS-01 MS	Z3__082813-002	105.00
08/28/92	05-DS-01 MSD	Z3__082813-002	99.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW7060

Spiked Analyte : Arsenic continued

Type of Spike : Matrix Spike

09/02/92	05-MW-04-02 MS	Z3__090208-001	94.00
09/02/92	05-MW-04-02 MSD	Z3__090208-001	89.00
09/02/92	06-SS-01-01 MS	Z3__090214-001	155.00
09/02/92	06-SS-01-01 MSD	Z3__090214-001	318.00
09/08/92	01-SS-07-01 MS	Z3__090813-002	103.00
09/08/92	01-SS-07-01 MSD	Z3__090813-002	100.00
09/09/92	04-DS-01 MS	Z3__090916-001	108.00
09/09/92	04-DS-01 MSD	Z3__090916-001	104.00
09/10/92	07-MW-03-02 MS	Z3__091010-001	108.00
09/10/92	07-MW-03-02 MSD	Z3__091010-001	116.00
09/13/92	07-MW-04-02 MS	Z3__091309-001	98.00
09/13/92	07-MW-04-02 MSD	Z3__091309-001	91.00
09/13/92	09-SS-03-01 MS	Z3__091309-002	83.00
09/13/92	09-SS-03-01 MSD	Z3__091309-002	82.00
09/16/92	07-DS-03 MS	Z3__091608-003	114.00
09/16/92	07-DS-03 MSD	Z3__091608-003	92.00

Number of Samples : 24  
Mean % Recovery : 107.5  
Standard Deviation : 48.00

Below acceptance : 2  
Above acceptance : 2  
Acceptance Criteria 75-125

Method : SW7421

Spiked Analyte : Lead

Type of Spike : Laboratory Control

08/20/92	LCS	Z1__082008-002	98.00
08/20/92	LCS DUP	Z1__082008-002	99.00
08/23/92	LCS	Z1__082315-001	95.00
08/23/92	LCS DUP	Z1__082315-001	98.00
08/27/92	LCS	Z1__082708-003	98.00
08/27/92	LCS DUP	Z1__082708-003	95.00
08/27/92	LCS	Z1__082708-001	100.00
08/27/92	LCS DUP	Z1__082708-001	101.00
08/28/92	LCS	Z1__082817-001	103.00
08/28/92	LCS DUP	Z1__082817-001	102.00
09/09/92	LCS	Z1__090908-001	102.00
09/09/92	LCS DUP	Z1__090908-001	102.00
09/11/92	LCS	Z1__091108-002	93.00
09/11/92	LCS DUP	Z1__091108-002	95.00
09/11/92	LCS	Z1__091108-003	94.00
09/11/92	LCS DUP	Z1__091108-003	94.00
09/11/92	LCS	Z1__091108-001	104.00
09/11/92	LCS DUP	Z1__091108-001	98.00
09/13/92	LCS	Z1__091308-003	104.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW7421			
Spiked Analyte : Lead continued			
Type of Spike : Laboratory Control			
09/13/92	LCS DUP	Z1__091308-003	103.00
09/14/92	LCS	Z1__091417-002	103.00
09/14/92	LCS DUP	Z1__091417-002	104.00
09/14/92	LCS	Z1__091417-001	93.00
09/14/92	LCS DUP	Z1__091417-001	98.00
09/17/92	LCS	Z1__091719-001	97.00
09/17/92	LCS DUP	Z1__091719-001	99.00
08/06/92	LCS	Z2__080615-002	99.00
08/06/92	LCS DUP	Z2__080615-002	98.00
08/07/92	LCS	Z2__080709-003	100.00
08/07/92	LCS DUP	Z2__080709-003	100.00
09/03/92	LCS	Z2__090309-002	97.00
09/03/92	LCS DUP	Z2__090309-002	95.00
09/03/92	LCS	Z2__090309-003	101.00
09/03/92	LCS DUP	Z2__090309-003	99.00
09/08/92	LCS	Z2__090812-001	104.00
09/08/92	LCS DUP	Z2__090812-001	101.00
09/17/92	LCS	Z2__091717-002	96.00
09/17/92	LCS DUP	Z2__091717-002	94.00
-----			
Number of Samples	: 38	Below acceptance :	0
Mean % Recovery	: 98.8	Above acceptance :	0
Standard Deviation	: 3.38	Acceptance Criteria	85-115

Type of Spike : Matrix Spike

08/20/92	10-DS-01 MS	Z1__082008-002	116.00
08/20/92	10-DS-01 MSD	Z1__082008-002	114.00
08/20/92	06-DS-01 MS	Z1__082008-002	89.00
08/20/92	06-DS-01 MSD	Z1__082008-002	102.00
08/23/92	06-DS-02 MS	Z1__082315-001	95.00
08/23/92	06-DS-02 MSD	Z1__082315-001	245.00
08/27/92	05-DS-01 MS	Z1__082708-001	98.00
08/27/92	05-DS-01 MSD	Z1__082708-001	92.00
09/09/92	06-SS-01-01 MS	Z1__090908-001	65.00
09/09/92	06-SS-01-01 MSD	Z1__090908-001	138.00
09/11/92	07-MW-04-02 MS	Z1__091108-002	99.00
09/11/92	07-MW-04-02 MSD	Z1__091108-002	99.00
09/11/92	07-MW-03-02 MS	Z1__091108-003	104.00
09/11/92	07-MW-03-02 MSD	Z1__091108-003	97.00
09/13/92	04-DS-01 MS	Z1__091308-003	94.00
09/13/92	04-DS-01 MSD	Z1__091308-003	95.00
09/14/92	09-SS-03-01 MS	Z1__091417-001	102.00
09/14/92	09-SS-03-01 MSD	Z1__091417-001	90.00
09/14/92	01-SS-07-01 MS	Z1__091417-002	7.00
09/14/92	01-SS-07-01 MSD	Z1__091417-002	12.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW7421

Spiked Analyte : Lead continued

Type of Spike : Matrix Spike

09/17/92	07-DS-03 MS	Z1__091719-001	113.00
09/17/92	07-DS-03 MSD	Z1__091719-001	101.00
09/03/92	05-MW-04-02 MS	Z2__090309-002	106.00
09/03/92	05-MW-04-02 MSD	Z2__090309-002	94.00

Number of Samples	: 24	Below acceptance :	3
Mean % Recovery	: 98.6	Above acceptance :	2
Standard Deviation	: 42.30	Acceptance Criteria	75-125

Method : SW7471

Spiked Analyte : Mercury

Type of Spike : Laboratory Control

08/03/92	LCS DUP	D2__080316-001	104.00
08/03/92	LCS	D2__080316-001	101.00
08/10/92	LCS DUP	D2__081016-001	100.00
08/10/92	LCS	D2__081016-001	102.00
08/17/92	LCS DUP	D2__081713-001	101.00
08/17/92	LCS	D2__081713-001	104.00
08/24/92	LCS DUP	D2__082413-001	103.00
08/24/92	LCS	D2__082413-001	110.00
08/01/92	LCS DUP	Z3__080118-001	108.00
08/01/92	LCS	Z3__080118-001	106.00
08/06/92	LCS DUP	Z3__080618-004	99.00
08/06/92	LCS	Z3__080618-004	100.00
08/20/92	LCS	Z3__082017-005	103.00
08/20/92	LCS DUP	Z3__082017-005	104.00
08/20/92	LCS	Z3__082017-004	104.00
08/20/92	LCS DUP	Z3__082017-004	103.00
08/25/92	LCS	Z3__082518-003	97.00
08/25/92	LCS DUP	Z3__082518-003	101.00
09/03/92	LCS	Z3__090316-002	102.00
09/03/92	LCS DUP	Z3__090316-002	103.00
09/24/92	LCS DUP	Z3__092418-001	100.00
09/24/92	LCS	Z3__092418-002	101.00
09/24/92	LCS DUP	Z3__092418-002	100.00
09/24/92	LCS	Z3__092418-001	96.00

Number of Samples	: 24	Below acceptance :	0
Mean % Recovery	: 102.2	Above acceptance :	0
Standard Deviation	: 3.13	Acceptance Criteria	80-120

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW7471			
Spiked Analyte : Mercury continued			
Type of Spike : Matrix Spike			
Type of Spike : Matrix Spike			
08/10/92	06-DS-02 MS	D2__081016-001	87.00
08/10/92	06-DS-02 MSD	D2__081016-001	85.00
08/17/92	05-DS-01 MS	D2__081713-001	98.00
08/17/92	05-DS-01 MSD	D2__081713-001	105.00
08/24/92	01-SS-07-01 MS	D2__082413-001	66.00
08/24/92	01-SS-07-01 MSD	D2__082413-001	60.00
08/06/92	06-DS-01 MS	Z3__080618-004	98.00
08/06/92	06-DS-01 MSD	Z3__080618-004	98.00
08/06/92	10-DS-01 MS	Z3__080618-004	90.00
08/06/92	10-DS-01 MSD	Z3__080618-004	91.00
08/20/92	05-MW-04-02 MS	Z3__082017-004	84.00
08/20/92	05-MW-04-02 MSD	Z3__082017-004	84.00
08/20/92	05-DS-03 MS	Z3__082017-005	94.00
08/20/92	05-DS-03 MSD	Z3__082017-005	92.00
08/25/92	07-MW-03-02 MS	Z3__082518-003	86.00
08/25/92	07-MW-03-02 MSD	Z3__082518-003	77.00
09/03/92	04-DS-01 MS	Z3__090316-002	84.00
09/03/92	04-DS-01 MSD	Z3__090316-002	78.00
09/24/92	07-SD-02-01 MS	Z3__092418-002	77.00
09/24/92	07-SD-02-01 MSD	Z3__092418-002	78.00
-----			
Number of Samples	: 20	Below acceptance :	2
Mean % Recovery	: 85.6	Above acceptance :	0
Standard Deviation	: 11.03	Acceptance Criteria	75-125
-----			
Method : SW7740			
Spiked Analyte : Selenium			
Type of Spike : Laboratory Control			
08/25/92	LCS	Z1__082513-001	91.00
08/25/92	LCS DUP	Z1__082513-001	94.00
08/25/92	LCS	Z1__082517-002	85.00
08/25/92	LCS DUP	Z1__082517-002	84.00
09/16/92	LCS	Z1__091613-002	91.00
09/16/92	LCS DUP	Z1__091613-002	90.00
08/28/92	LCS	Z2__082808-001	95.00
08/28/92	LCS DUP	Z2__082808-001	99.00
08/31/92	LCS	Z2__083110-001	96.00
08/31/92	LCS DUP	Z2__083110-001	100.00
09/09/92	LCS	Z2__090917-001	87.00
09/09/92	LCS DUP	Z2__090917-001	89.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW7740			
Spiked Analyte : Selenium continued			
Type of Spike : Laboratory Control			
09/11/92	LCS	Z2__091108-001	100.00
09/11/92	LCS DUP	Z2__091108-001	100.00
09/11/92	LCS	Z2__091113-002	93.00
09/11/92	LCS DUP	Z2__091113-002	92.00
09/11/92	LCS	Z2__091113-001	96.00
09/11/92	LCS DUP	Z2__091113-001	94.00
09/13/92	LCS	Z2__091308-002	85.00
09/13/92	LCS DUP	Z2__091308-002	86.00
09/13/92	LCS	Z2__091308-001	100.00
09/13/92	LCS DUP	Z2__091308-001	99.00
09/14/92	LCS	Z2__091409-002	92.00
09/14/92	LCS DUP	Z2__091409-002	93.00
08/10/92	LCS	Z3__081014-001	91.00
08/10/92	LCS	Z3__081014-001	97.00
08/10/92	LCS DUP	Z3__081014-001	104.00
08/21/92	LCS	Z3__082108-002	97.00
08/21/92	LCS DUP	Z3__082108-002	95.00
09/03/92	LCS	Z3__090310-001	99.00
09/03/92	LCS DUP	Z3__090310-001	97.00
09/03/92	LCS	Z3__090310-002	98.00
09/03/92	LCS DUP	Z3__090310-002	97.00
09/03/92	LCS	Z3__090310-001	99.00
09/03/92	LCS DUP	Z3__090310-001	98.00
09/23/92	LCS	Z3__092309-001	101.00
09/23/92	LCS DUP	Z3__092309-001	100.00
09/23/92	LCS	Z3__092312-001	98.00
09/23/92	LCS DUP	Z3__092312-001	98.00

Number of Samples	: 39	Below acceptance :	1
Mean % Recovery	: 94.9	Above acceptance :	0
Standard Deviation	: 5.03	Acceptance Criteria	85-115

Type of Spike : Matrix Spike

08/25/92	06-DS-01 MS	Z1__082513-001	76.00
08/25/92	06-DS-01 MSD	Z1__082513-001	79.00
08/25/92	06-DS-02 MS	Z1__082517-002	54.00
08/25/92	06-DS-02 MSD	Z1__082517-002	57.00
08/28/92	05-DS-01 MS	Z2__082808-001	50.00
08/28/92	05-DS-01 MSD	Z2__082808-001	50.00
09/09/92	01-SS-07-01 MS	Z2__090917-001	38.00
09/09/92	01-SS-07-01 MSD	Z2__090917-001	43.00
09/11/92	07-MW-04-02 MS	Z2__091113-002	51.00
09/11/92	07-MW-04-02 MSD	Z2__091113-002	54.00
09/13/92	04-DS-01 MS	Z2__091308-001	46.00
09/13/92	04-DS-01 MSD	Z2__091308-001	47.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW7740			
Spiked Analyte : Selenium continued			
Type of Spike : Matrix Spike			
09/13/92	07-MW-03-02 MS	Z2__091308-002	41.00
09/13/92	07-MW-03-02 MSD	Z2__091308-002	38.00
09/14/92	09-SS-03-01 MS	Z2__091409-002	46.00
09/14/92	09-SS-03-01 MSD	Z2__091409-002	47.00
08/21/92	10-DS-01 MS	Z3__082108-002	75.00
08/21/92	10-DS-01 MSD	Z3__082108-002	74.00
09/03/92	05-MW-04-02 MS	Z3__090310-001	90.00
09/03/92	05-MW-04-02 MSD	Z3__090310-001	88.00
09/03/92	06-SS-01-01 MS	Z3__090310-001	89.00
09/03/92	06-SS-01-01 MSD	Z3__090310-001	83.00
09/23/92	07-DS-03 MS	Z3__092312-001	86.00
09/23/92	07-DS-03 MSD	Z3__092312-001	82.00

Number of Samples	: 24	Below acceptance :	15
Mean % Recovery	: 61.8	Above acceptance :	0
Standard Deviation	: 18.51	Acceptance Criteria	75-125

Method : SW8015MEMP  
Spiked Analyte : Diesel Range Organics (2)

Type of Spike : Laboratory Control

08/17/92	LCS	TP-M081712-001	88.00
08/17/92	LCS	TP-L081712-002	88.00
08/17/92	LCS DUP	TP-M081712-001	74.00
08/17/92	LCS DUP	TP-L081712-002	74.00
08/19/92	LCS	TP-M081814-001	93.00
08/19/92	LCS DUP	TP-M081814-001	77.00
08/19/92	LCS	TP-M081916-001	90.00
08/19/92	LCS DUP	TP-M081916-001	86.00
08/31/92	LCS	TP-M083016-001	94.00
08/31/92	LCS DUP	TP-M083016-001	97.00
08/31/92	LCS	TP-M083117-001	81.00
08/31/92	LCS DUP	TP-M083117-001	85.00
09/02/92	LCS	TP-M090119-001	82.00
09/02/92	LCS DUP	TP-M090119-001	88.00
09/02/92	LCS	TP-M090217-001	74.00
09/02/92	LCS DUP	TP-M090217-001	77.00
09/07/92	LCS	TP-M090617-001	66.00
09/07/92	LCS DUP	TP-M090617-001	65.00
09/07/92	LCS	TP-M090717-001	67.00
09/07/92	LCS DUP	TP-M090717-001	66.00
09/09/92	LCS	TP-M090824-001	78.00
09/09/92	LCS DUP	TP-M090824-001	62.00
09/10/92	LCS	TP-M090921-001	66.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8015MEMP

Spiked Analyte : Diesel Range Organics (2) continued

Type of Spike : Laboratory Control

09/10/92	LCS DUP	TP-M090921-001	53.00
09/11/92	LCS	TP-M091017-001	69.00
09/11/92	LCS DUP	TP-M091017-001	56.00
09/11/92	LCS	TP-M091116-001	80.00
09/11/92	LCS DUP	TP-M091116-001	72.00
09/19/92	LCS	TP-M091915-001	75.00
09/19/92	LCS DUP	TP-M091915-001	69.00
09/20/92	LCS	TP-M092012-001	80.00
09/20/92	LCS DUP	TP-M092012-001	78.00
09/21/92	LCS	TP-M092114-001	81.00
09/21/92	LCS DUP	TP-M092114-001	79.00
09/23/92	LCS	TP-M092312-001	61.00
09/23/92	LCS DUP	TP-M092312-001	68.00
09/25/92	LCS	TP-M092510-001	78.00
09/25/92	LCS DUP	TP-M092510-001	78.00
09/28/92	LCS DUP	TP-M092814-001	75.00
09/28/92	LCS	TP-M092814-001	80.00
09/29/92	LCS	TP-M092913-001	82.00
09/29/92	LCS DUP	TP-M092913-001	81.00
09/30/92	LCS DUP	TP-M093012-001	83.00
09/30/92	LCS	TP-M093012-001	82.00
10/08/92	LCS	TP-G100716-001	109.00
10/08/92	LCS DUP	TP-G100716-001	104.00
10/08/92	LCS	TP-M100810-001	79.00
10/08/92	LCS DUP	TP-M100810-001	76.00

Number of Samples	: 48	Below acceptance :	0
Mean % Recovery	: 78.0	Above acceptance :	0
Standard Deviation	: 11.20	Acceptance Criteria	50-150

Type of Spike : Matrix Spike

08/17/92	09-MW-04-02 MS	TP-L081712-002	71.00
08/17/92	09-MW-04-02 MSD	TP-L081712-002	47.00
08/18/92	10-DS-01 MS	TP-M081814-001	71.00
08/18/92	10-DS-01 MSD	TP-M081814-001	56.00
08/19/92	06-DS-01 MS	TP-M081814-001	60.00
08/19/92	06-DS-01 MSD	TP-M081814-001	77.00
08/31/92	11-SB-01-02 MS	TP-M083016-001	100.00
08/31/92	11-SB-01-02 MSD	TP-M083016-001	103.00
08/31/92	06-DS-02 MS	TP-M083117-001	686.00
09/01/92	06-DS-02 MSD	TP-M083117-001	455.00
09/02/92	05-DS-01 MS	TP-M090119-001	83.00
09/02/92	05-DS-01 MSD	TP-M090119-001	90.00
09/07/92	05-MW-04-02 MS	TP-M090617-001	139.00
09/07/92	05-MW-04-02 MSD	TP-M090617-001	0.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8015MEMP			
Spiked Analyte : Diesel Range Organics (2) continued			
Type of Spike : Matrix Spike			
09/09/92	01-SS-07-01 MS	TP-M090824-001	0.00
09/09/92	01-SS-07-01 MSD	TP-M090824-001	156.00
09/19/92	07-MW-03-02 MS	TP-M091915-001	0.00
09/19/92	07-MW-03-02 MSD	TP-M091915-001	0.00
09/20/92	04-DS-01 MS	TP-M092012-001	87.00
09/20/92	04-DS-01 MSD	TP-M092012-001	92.00
09/23/92	10-SS-01-01 MS	TP-M092312-001	0.00
09/23/92	10-SS-01-01 MSD	TP-M092312-001	279.00
09/29/92	09-SS-01-01 MS	TP-M092913-001	59.00
09/29/92	09-SS-01-01 MSD	TP-M092913-001	31.00
-----			
Number of Samples		: 24	Below acceptance : 7
Mean % Recovery		: 114.3	Above acceptance : 4
Standard Deviation		: 156.99	Acceptance Criteria 50-150
Method : SW8015MEMP			
Spiked Analyte : Triacontane			
Type of Spike : Laboratory Control			
08/17/92	LCS	TP-M081712-001	91.00
08/17/92	LCS	TP-L081712-002	91.00
08/17/92	LCS DUP	TP-M081712-001	96.00
08/17/92	LCS DUP	TP-L081712-002	96.00
08/19/92	LCS	TP-M081814-001	99.00
08/19/92	LCS DUP	TP-M081814-001	96.00
08/19/92	LCS	TP-M081916-001	85.00
08/19/92	LCS DUP	TP-M081916-001	88.00
08/31/92	LCS	TP-M083016-001	98.00
08/31/92	LCS DUP	TP-M083016-001	107.00
08/31/92	LCS	TP-M083117-001	91.00
08/31/92	LCS DUP	TP-M083117-001	98.00
09/02/92	LCS	TP-M090119-001	96.00
09/02/92	LCS DUP	TP-M090119-001	96.00
09/02/92	LCS	TP-M090217-001	83.00
09/02/92	LCS DUP	TP-M090217-001	91.00
09/07/92	LCS	TP-M090617-001	81.00
09/07/92	LCS DUP	TP-M090617-001	80.00
09/07/92	LCS	TP-M090717-001	83.00
09/07/92	LCS DUP	TP-M090717-001	81.00
09/09/92	LCS	TP-M090824-001	95.00
09/09/92	LCS DUP	TP-M090824-001	85.00
09/10/92	LCS	TP-M090921-001	97.00
09/10/92	LCS DUP	TP-M090921-001	84.00
09/11/92	LCS	TP-M091017-001	112.00
09/11/92	LCS DUP	TP-M091017-001	96.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8015MEMP			
Spiked Analyte : Triacontane continued			
Type of Spike : Laboratory Control			
09/11/92	LCS	TP-M091116-001	114.00
09/11/92	LCS DUP	TP-M091116-001	102.00
09/19/92	LCS	TP-M091915-001	111.00
09/19/92	LCS DUP	TP-M091915-001	76.00
09/20/92	LCS	TP-M092012-001	125.00
09/20/92	LCS DUP	TP-M092012-001	122.00
09/21/92	LCS	TP-M092114-001	118.00
09/21/92	LCS DUP	TP-M092114-001	113.00
09/23/92	LCS	TP-M092312-001	90.00
09/23/92	LCS DUP	TP-M092312-001	95.00
09/25/92	LCS	TP-M092510-001	90.00
09/25/92	LCS DUP	TP-M092510-001	91.00
09/28/92	LCS DUP	TP-M092814-001	83.00
09/28/92	LCS	TP-M092814-001	91.00
09/29/92	LCS	TP-M092913-001	96.00
09/29/92	LCS DUP	TP-M092913-001	95.00
09/30/92	LCS DUP	TP-M093012-001	83.00
09/30/92	LCS	TP-M093012-001	74.00
10/08/92	LCS	TP-G100716-001	109.00
10/08/92	LCS DUP	TP-G100716-001	106.00
10/08/92	LCS	TP-M100810-001	106.00
10/08/92	LCS DUP	TP-M100810-001	102.00

Number of Samples	: 48	Below acceptance :	0
Mean % Recovery	: 95.6	Above acceptance :	0
Standard Deviation	: 11.86	Acceptance Criteria	50-150

Type of Spike : Matrix Spike

08/17/92	09-MW-04-02 MS	TP-L081712-002	90.00
08/17/92	09-MW-04-02 MSD	TP-L081712-002	82.00
08/18/92	10-DS-01 MS	TP-M081814-001	95.00
08/18/92	10-DS-01 MSD	TP-M081814-001	88.00
08/19/92	06-DS-01 MS	TP-M081814-001	81.00
08/19/92	06-DS-01 MSD	TP-M081814-001	81.00
08/31/92	11-SB-01-02 MS	TP-M083016-001	105.00
08/31/92	11-SB-01-02 MSD	TP-M083016-001	107.00
08/31/92	06-DS-02 MS	TP-M083117-001	61.00
09/01/92	06-DS-02 MSD	TP-M083117-001	131.00
09/02/92	05-DS-01 MS	TP-M090119-001	98.00
09/02/92	05-DS-01 MSD	TP-M090119-001	99.00
09/07/92	05-MW-04-02 MS	TP-M090617-001	62.00
09/07/92	05-MW-04-02 MSD	TP-M090617-001	105.00
09/09/92	01-SS-07-01 MS	TP-M090824-001	278.00
09/09/92	01-SS-07-01 MSD	TP-M090824-001	367.00
09/19/92	07-MW-03-02 MS	TP-M091915-001	173.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8015MEMP			
Spiked Analyte : Triacontane continued			
Type of Spike : Matrix Spike			
09/19/92	07-MW-03-02 MSD	TP-M091915-001	141.00
09/20/92	04-DS-01 MS	TP-M092012-001	102.00
09/20/92	04-DS-01 MSD	TP-M092012-001	98.00
09/23/92	10-SS-01-01 MS	TP-M092312-001	65.00
09/23/92	10-SS-01-01 MSD	TP-M092312-001	68.00
09/29/92	09-SS-01-01 MS	TP-M092913-001	90.00
09/29/92	09-SS-01-01 MSD	TP-M092913-001	89.00
-----			
Number of Samples	: 24	Below acceptance :	0
Mean % Recovery	: 114.8	Above acceptance :	3
Standard Deviation	: 69.95	Acceptance Criteria	50-150
-----			
Method : SW8015MP			
Spiked Analyte : Benzene (2)			
Type of Spike : Matrix Spike			
07/24/92	10-DS-01 MS	TP-L072320-002	85.00
07/24/92	10-DS-01 MSD	TP-L072320-002	85.00
07/28/92	06-DS-01 MS	TP-L072801-002	92.00
07/28/92	06-DS-01 MSD	TP-L072801-002	79.00
07/30/92	06-DS-02 MS	TP-L080122-002	103.00
07/30/92	06-DS-02 MSD	TP-L080122-002	94.00
08/01/92	05-DS-01 MSD	TP-L080122-002	139.00
08/12/92	05-SS-05-01 MS	TP-L081206-002	88.00
08/12/92	05-SS-05-01 MSD	TP-L081206-002	92.00
08/14/92	06-SS-01-01 MS	TP-L081319-002	84.00
08/14/92	06-SS-01-01 MSD	TP-L081319-002	93.00
08/18/92	01-SS-07-01 MS	TP-L081714-002	94.00
08/18/92	01-SS-07-01 MSD	TP-L081714-002	95.00
08/19/92	01-MW-02-02 MS	TP-L081921-002	97.00
08/19/92	01-MW-02-02 MSD	TP-L081921-002	94.00
08/01/92	05-DS-01 MS	TP-L080122-002	138.00
08/20/92	07-MW-03-02 MS	TP-L082011-002	87.00
08/20/92	07-MW-03-02 MSD	TP-L082011-002	83.00
08/24/92	04-DS-01 MS	TP-N082420-002	98.00
08/24/92	04-DS-01 MSD	TP-N082420-002	100.00
08/27/92	04-MW-01-02 MS	TP-N082719-002	109.00
08/27/92	04-MW-01-02 MSD	TP-N082719-002	111.00
09/09/92	12-MW-02-02 MS	TP-L090801-002	107.00
09/09/92	12-MW-02-02 MSD	TP-L090801-002	106.00
09/18/92	01-SD-01-01 MS	TP-L091712-002	109.00
09/18/92	01-SD-01-01 MSD	TP-L091712-002	114.00
09/19/92	07-SD-01-01 MS	TP-L091904-002	105.00
09/19/92	07-SD-01-01 MSD	TP-L091904-002	107.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8015MP			
Spiked Analyte : Benzene (2) continued			
Type of Spike : Matrix Spike			
10/14/92	09-SS-01-01 MS	TP-L101316-002	91.00
10/14/92	09-SS-01-01 MSD	TP-L101316-002	91.00
-----			
Number of Samples		: 30	Below acceptance : 0
Mean % Recovery		: 99.0	Above acceptance : 30
Standard Deviation		: 14.16	Acceptance Criteria
Method : SW8015MP			
Spiked Analyte : Chlorobenzene			
Type of Spike : Matrix Spike			
07/24/92	10-DS-01 MS	TP-L072320-002	87.00
07/24/92	10-DS-01 MSD	TP-L072320-002	87.00
07/28/92	06-DS-01 MS	TP-L072801-002	80.00
07/28/92	06-DS-01 MSD	TP-L072801-002	84.00
07/30/92	06-DS-02 MS	TP-L080122-002	89.00
07/30/92	06-DS-02 MSD	TP-L080122-002	85.00
08/01/92	05-DS-01 MSD	TP-L080122-002	97.00
08/12/92	05-SS-05-01 MS	TP-L081206-002	96.00
08/12/92	05-SS-05-01 MSD	TP-L081206-002	96.00
08/14/92	06-SS-01-01 MS	TP-L081319-002	89.00
08/14/92	06-SS-01-01 MSD	TP-L081319-002	92.00
08/18/92	01-SS-07-01 MS	TP-L081714-002	96.00
08/18/92	01-SS-07-01 MSD	TP-L081714-002	97.00
08/19/92	01-MW-02-02 MS	TP-L081921-002	87.00
08/19/92	01-MW-02-02 MSD	TP-L081921-002	88.00
08/01/92	05-DS-01 MS	TP-L080122-002	97.00
08/20/92	07-MW-03-02 MS	TP-L082011-002	94.00
08/20/92	07-MW-03-02 MSD	TP-L082011-002	90.00
08/24/92	04-DS-01 MS	TP-N082420-002	101.00
08/24/92	04-DS-01 MSD	TP-N082420-002	104.00
08/27/92	04-MW-01-02 MS	TP-N082719-002	104.00
08/27/92	04-MW-01-02 MSD	TP-N082719-002	97.00
09/09/92	12-MW-02-02 MS	TP-L090801-002	97.00
09/09/92	12-MW-02-02 MSD	TP-L090801-002	106.00
09/18/92	01-SD-01-01 MS	TP-L091712-002	87.00
09/18/92	01-SD-01-01 MSD	TP-L091712-002	95.00
09/19/92	07-SD-01-01 MS	TP-L091904-002	90.00
09/19/92	07-SD-01-01 MSD	TP-L091904-002	93.00
10/14/92	09-SS-01-01 MS	TP-L101316-002	94.00
10/14/92	09-SS-01-01 MSD	TP-L101316-002	94.00
Number of Samples		: 30	Below acceptance : 0
Mean % Recovery		: 93.1	Above acceptance : 30
Standard Deviation		: 6.22	Acceptance Criteria

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8015MP			
Spiked Analyte : Ethylbenzene (2)			
Type of Spike : Matrix Spike			
07/24/92	10-DS-01 MS	TP-L072320-002	90.00
07/24/92	10-DS-01 MSD	TP-L072320-002	89.00
07/28/92	06-DS-01 MS	TP-L072801-002	93.00
07/28/92	06-DS-01 MSD	TP-L072801-002	81.00
07/30/92	06-DS-02 MS	TP-L080122-002	94.00
07/30/92	06-DS-02 MSD	TP-L080122-002	89.00
08/01/92	05-DS-01 MSD	TP-L080122-002	92.00
08/12/92	05-SS-05-01 MS	TP-L081206-002	91.00
08/12/92	05-SS-05-01 MSD	TP-L081206-002	95.00
08/14/92	06-SS-01-01 MS	TP-L081319-002	89.00
08/14/92	06-SS-01-01 MSD	TP-L081319-002	89.00
08/18/92	01-SS-07-01 MS	TP-L081714-002	88.00
08/18/92	01-SS-07-01 MSD	TP-L081714-002	89.00
08/19/92	01-MW-02-02 MS	TP-L081921-002	88.00
08/19/92	01-MW-02-02 MSD	TP-L081921-002	87.00
08/01/92	05-DS-01 MS	TP-L080122-002	92.00
08/20/92	07-MW-03-02 MS	TP-L082011-002	88.00
08/20/92	07-MW-03-02 MSD	TP-L082011-002	84.00
08/24/92	04-DS-01 MS	TP-N082420-002	108.00
08/24/92	04-DS-01 MSD	TP-N082420-002	108.00
08/27/92	04-MW-01-02 MS	TP-N082719-002	107.00
08/27/92	04-MW-01-02 MSD	TP-N082719-002	104.00
09/09/92	12-MW-02-02 MS	TP-L090801-002	115.00
09/09/92	12-MW-02-02 MSD	TP-L090801-002	114.00
09/18/92	01-SD-01-01 MS	TP-L091712-002	112.00
09/18/92	01-SD-01-01 MSD	TP-L091712-002	115.00
09/19/92	07-SD-01-01 MS	TP-L091904-002	108.00
09/19/92	07-SD-01-01 MSD	TP-L091904-002	110.00
10/14/92	09-SS-01-01 MS	TP-L101316-002	103.00
10/14/92	09-SS-01-01 MSD	TP-L101316-002	103.00

Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 97.2	Above acceptance :	30
Standard Deviation	: 10.45	Acceptance Criteria	



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8015MP			
Spiked Analyte : Toluene (2)			
Type of Spike : Matrix Spike			
07/24/92	10-DS-01 MS	TP-L072320-002	89.00
07/24/92	10-DS-01 MSD	TP-L072320-002	90.00
07/28/92	06-DS-01 MS	TP-L072801-002	94.00
07/28/92	06-DS-01 MSD	TP-L072801-002	81.00
07/30/92	06-DS-02 MS	TP-L080122-002	97.00
07/30/92	06-DS-02 MSD	TP-L080122-002	90.00
08/01/92	05-DS-01 MSD	TP-L080122-002	92.00
08/12/92	05-SS-05-01 MS	TP-L081206-002	92.00
08/12/92	05-SS-05-01 MSD	TP-L081206-002	96.00
08/14/92	06-SS-01-01 MS	TP-L081319-002	88.00
08/14/92	06-SS-01-01 MSD	TP-L081319-002	90.00
08/18/92	01-SS-07-01 MS	TP-L081714-002	85.00
08/18/92	01-SS-07-01 MSD	TP-L081714-002	88.00
08/19/92	01-MW-02-02 MS	TP-L081921-002	89.00
08/19/92	01-MW-02-02 MSD	TP-L081921-002	84.00
08/01/92	05-DS-01 MS	TP-L080122-002	92.00
08/20/92	07-MW-03-02 MS	TP-L082011-002	91.00
08/20/92	07-MW-03-02 MSD	TP-L082011-002	86.00
08/24/92	04-DS-01 MS	TP-N082420-002	94.00
08/24/92	04-DS-01 MSD	TP-N082420-002	95.00
08/27/92	04-MW-01-02 MS	TP-N082719-002	102.00
08/27/92	04-MW-01-02 MSD	TP-N082719-002	102.00
09/09/92	12-MW-02-02 MS	TP-L090801-002	110.00
09/09/92	12-MW-02-02 MSD	TP-L090801-002	109.00
09/18/92	01-SD-01-01 MS	TP-L091712-002	109.00
09/18/92	01-SD-01-01 MSD	TP-L091712-002	113.00
09/19/92	07-SD-01-01 MS	TP-L091904-002	105.00
09/19/92	07-SD-01-01 MSD	TP-L091904-002	107.00
10/14/92	09-SS-01-01 MS	TP-L101316-002	93.00
10/14/92	09-SS-01-01 MSD	TP-L101316-002	93.00

Number of Samples : 30  
Mean % Recovery : 94.9  
Standard Deviation : 8.48

Below acceptance : 0  
Above acceptance : 30  
Acceptance Criteria

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8015MP			
Spiked Analyte : Xylenes (total) (2)			
Type of Spike : Matrix Spike			
07/24/92	10-DS-01 MS	TP-L072320-002	90.00
07/24/92	10-DS-01 MSD	TP-L072320-002	90.00
07/28/92	06-DS-01 MS	TP-L072801-002	93.00
07/28/92	06-DS-01 MSD	TP-L072801-002	81.00
07/30/92	06-DS-02 MS	TP-L080122-002	97.00
07/30/92	06-DS-02 MSD	TP-L080122-002	91.00
08/01/92	05-DS-01 MSD	TP-L080122-002	92.00
08/12/92	05-SS-05-01 MS	TP-L081206-002	93.00
08/12/92	05-SS-05-01 MSD	TP-L081206-002	98.00
08/14/92	06-SS-01-01 MS	TP-L081319-002	92.00
08/14/92	06-SS-01-01 MSD	TP-L081319-002	92.00
08/18/92	01-SS-07-01 MS	TP-L081714-002	88.00
08/18/92	01-SS-07-01 MSD	TP-L081714-002	88.00
08/19/92	01-MW-02-02 MS	TP-L081921-002	91.00
08/19/92	01-MW-02-02 MSD	TP-L081921-002	91.00
08/01/92	05-DS-01 MS	TP-L080122-002	92.00
08/20/92	07-MW-03-02 MS	TP-L082011-002	95.00
08/20/92	07-MW-03-02 MSD	TP-L082011-002	89.00
08/24/92	04-DS-01 MS	TP-N082420-002	105.00
08/24/92	04-DS-01 MSD	TP-N082420-002	105.00
08/27/92	04-MW-01-02 MS	TP-N082719-002	107.00
08/27/92	04-MW-01-02 MSD	TP-N082719-002	103.00
09/09/92	12-MW-02-02 MS	TP-L090801-002	113.00
09/09/92	12-MW-02-02 MSD	TP-L090801-002	111.00
09/18/92	01-SD-01-01 MS	TP-L091712-002	108.00
09/18/92	01-SD-01-01 MSD	TP-L091712-002	111.00
09/19/92	07-SD-01-01 MS	TP-L091904-002	105.00
09/19/92	07-SD-01-01 MSD	TP-L091904-002	107.00
10/14/92	09-SS-01-01 MS	TP-L101316-002	98.00
10/14/92	09-SS-01-01 MSD	TP-L101316-002	97.00
-----			
Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 97.1	Above acceptance :	30
Standard Deviation	: 8.35	Acceptance Criteria	
-----			

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : 2,4,5,6-Tetrachloro-m-xylene			
Type of Spike : Surrogate			
09/05/92	06-DS-02	GC192090216-13	120.00
09/05/92	06-DS-02 MS	GC192090216-13	107.00
09/05/92	06-DS-02 MSD	GC192090216-13	107.00
09/05/92	06-SS-06-01	GC192090216-13	110.00
09/05/92	06-SB-01-01	GC192090216-13	98.00
09/05/92	11-SB-01-02	GC192090216-13	110.00
09/05/92	06-SB-01-02	GC192090216-13	104.00
09/05/92	11-SB-01-01	GC192090216-13	120.00
09/05/92	06-MW-02-02	GC192090216-13	131.00
09/05/92	06-SS-04-01	GC192090216-13	106.00
09/05/92	06-SS-05-01	GC192090216-13	114.00
09/04/92	06-MW-01-02	GC192090214-28	104.00
09/04/92	06-MW-01-02 MS	GC192090214-28	104.00
09/04/92	06-MW-01-02 MSD	GC192090214-28	102.00
09/17/92	01-SS-07-01	GC192091712-15	115.00
09/18/92	01-SS-07-01 MS	GC192091712-15	108.00
09/18/92	01-SS-07-01 MSD	GC192091712-15	116.00
09/18/92	01-SS-01-01	GC192091712-15	108.00
09/18/92	01-SS-02-01	GC192091712-15	116.00
09/18/92	01-SS-03-01	GC192091712-15	104.00
09/18/92	01-SS-04-01	GC192091712-15	105.00
09/18/92	01-SS-05-01	GC192091712-15	96.00
09/18/92	01-SS-06-01	GC192091712-54	93.00
09/18/92	01-DS-02	GC192091712-54	109.00
09/19/92	01-MW-01-02	GC192091712-54	112.00
09/19/92	01-SS-08-01	GC192091712-54	115.00
09/19/92	01-SS-09-01	GC192091712-54	118.00
09/19/92	01-SS-10-01	GC192091712-54	72.00
09/19/92	06-SD-01-01	GC192091712-54	101.00
09/19/92	06-SD-02-01	GC192091712-54	105.00
09/19/92	06-SS-01-01	GC192091712-54	118.00
09/19/92	06-SS-02-01	GC192091712-54	101.00
09/19/92	06-SS-03-01	GC192091712-54	102.00
09/25/92	07-MW-03-02	GC192092512-14	108.00
09/25/92	07-MW-03-02 MS	GC192092512-14	101.00
09/25/92	07-MW-03-02 MSD	GC192092512-14	58.00
09/26/92	07-MW-01-02	GC192092512-14	107.00
09/26/92	07-SB-03-01	GC192092512-14	105.00
09/26/92	07-SB-02-01	GC192092512-14	92.00
09/26/92	07-MW-02-02	GC192092512-14	82.00
09/26/92	07-SB-01-01	GC192092512-14	104.00
09/26/92	07-DS-01	GC192092512-14	77.00
09/26/92	01-SB-02-01	GC192092512-14	101.00
09/26/92	01-SB-02-02	GC192092512-14	86.00
09/26/92	01-SB-02-03	GC192092512-14	102.00
09/26/92	01-MW-02-02	GC192092512-14	113.00
09/26/92	01-SB-01-02	GC192092512-14	98.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : 2,4,5,6-Tetrachloro-m-xylene continued			
Type of Spike : Surrogate			
09/26/92	01-SB-01-03	GC192092512-14	73.00
09/26/92	07-MW-04-02	GC192092512-14	104.00
09/26/92	01-SB-01-01	GC192092512-14	108.00
09/27/92	04-DS-01	GC492092612-14	102.00
09/27/92	04-DS-01 MS	GC492092612-14	108.00
09/27/92	04-DS-01 MSD	GC492092612-14	111.00
09/27/92	04-SS-03-01	GC492092612-14	105.00
09/27/92	04-SD-01-01	GC492092612-14	107.00
09/27/92	04-SD-02-01	GC492092612-14	105.00
09/27/92	04-SS-01-01	GC492092612-14	109.00
09/27/92	04-SS-02-01	GC492092612-14	104.00
09/27/92	04-SD-03-01	GC492092612-14	98.00
09/27/92	04-SD-04-01	GC492092612-14	102.00
09/27/92	04-MW-03-02	GC492092612-14	106.00
09/27/92	04-MW-02-02	GC492092612-14	104.00
09/27/92	09-MW-06-02	GC492092612-14	107.00
09/27/92	09-DS-01	GC492092612-14	107.00
09/27/92	04-MW-01-02	GC492092612-14	109.00
09/27/92	04-MW-04-02	GC492092612-14	105.00
10/08/92	07-SS-01-01	GC692100712-29	154.00
10/08/92	07-SS-01-01 MS	GC692100712-29	161.00
10/08/92	07-SS-01-01 MSD	GC692100712-29	124.00
10/08/92	07-SS-02-01	GC692100712-29	82.00
10/08/92	07-SS-03-01	GC692100712-29	62.00
10/08/92	07-SS-04-01	GC692100712-29	84.00
10/08/92	07-SS-05-01	GC692100712-29	109.00
10/08/92	07-DS-02	GC692100712-29	147.00
10/08/92	07-DS-03	GC692100712-29	90.00
10/08/92	07-SD-02-01	GC692100712-29	69.00
10/13/92	10-SS-01-01	GC692101212-32	99.00
10/13/92	10-SS-02-01	GC692101212-32	108.00
10/13/92	10-SS-03-01	GC692101212-32	128.00
10/13/92	10-DS-02	GC692101212-32	97.00
10/13/92	10-SS-04-01	GC692101212-32	96.00
10/13/92	10-SS-05-01	GC692101212-32	110.00
10/13/92	10-SS-06-01	GC692101212-32	106.00
08/25/92	10-MW-02-01	GC892082412-14	102.00
08/25/92	10-MW-02-01 MS	GC892082412-14	107.00
08/25/92	10-MW-02-01 MSD	GC892082412-14	102.00
08/25/92	10-MW-03-01	GC892082412-14	104.00
08/25/92	10-SB-03-01	GC892082412-14	102.00
08/25/92	10-SB-03-02	GC892082412-14	92.00
08/25/92	10-SB-03-03	GC892082412-14	105.00
08/25/92	10-DS-01	GC892082413-12	108.00
08/25/92	10-DS-01 MS	GC892082413-12	106.00
08/25/92	10-DS-01 MSD	GC892082413-12	110.00
08/25/92	10-SB-02-02	GC892082413-12	91.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : 2,4,5,6-Tetrachloro-m-xylene continued			
Type of Spike : Surrogate			
08/25/92	10-MW-01-01	GC892082413-12	85.00
08/26/92	06-DS-01	GC892082413-12	114.00
08/26/92	06-DS-01 MS	GC892082413-12	103.00
08/26/92	06-DS-01 MSD	GC892082413-12	108.00
08/26/92	10-SB-02-01	GC892082413-12	92.00
08/26/92	06-MW-04-02	GC892082413-12	103.00
08/26/92	06-SB-02-01	GC892082413-12	89.00
08/26/92	06-SB-02-02	GC892082413-12	100.00
08/26/92	10-SB-01-01	GC892082413-12	100.00
08/26/92	10-SB-01-02	GC892082413-12	89.00
08/26/92	06-MW-03-02	GC892082413-12	109.00
10/14/92	09-SS-03-01	GC892101308-14	104.00
10/14/92	01-SD-02-01	GC892101308-14	108.00
10/14/92	01-DS-03	GC892101308-14	114.00
10/15/92	09-SS-01-01	GC892101308-42	115.00
10/15/92	09-SS-01-01 MS	GC892101308-42	125.00
10/15/92	09-SS-01-01 MSD	GC892101308-42	126.00
10/15/92	09-SS-02-01	GC892101308-42	122.00
10/15/92	01-DS-01	GC892101308-42	126.00
10/15/92	01-SD-01-01	GC892101308-42	118.00
10/15/92	07-SD-01-01	GC892101308-42	110.00
10/15/92	07-DS-03	GC892101308-42	126.00
10/13/92	10-SS-01-01 MS	GC692101212-32	96.00
10/13/92	10-SS-01-01 MSD	GC692101212-32	98.00

Number of Samples : 118  
Mean % Recovery : 105.0  
Standard Deviation : 14.89

Below acceptance : 0  
Above acceptance : 3  
Acceptance Criteria 20-142

Type of Spike : Surrogate - Blank Sample

09/04/92	METHOD BLANK	GC192090214-28	94.00
09/04/92	METHOD BLANK	GC192090216-13	111.00
09/17/92	METHOD BLANK	GC192091712-15	117.00
09/18/92	METHOD BLANK	GC192091712-54	117.00
09/25/92	METHOD BLANK	GC192092512-14	122.00
10/14/92	METHOD BLANK	GC192101412-7	108.00
09/26/92	METHOD BLANK	GC492092612-14	89.00
10/08/92	METHOD BLANK	GC692100712-29	107.00
10/13/92	METHOD BLANK	GC692101212-32	88.00
10/08/92	METHOD BLANK	GC692100713-29	101.00
08/31/92	METHOD BLANK	GC892083112-6	103.00
08/24/92	METHOD BLANK	GC892082412-14	104.00
08/25/92	METHOD BLANK	GC892082413-12	113.00
10/13/92	METHOD BLANK	GC892101308-14	100.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : 2,4,5,6-Tetrachloro-m-xylene continued			
Type of Spike : Surrogate - Blank Sample			
Number of Samples	: 14	Below acceptance :	0
Mean % Recovery	: 105.3	Above acceptance :	0
Standard Deviation	: 10.38	Acceptance Criteria	20-142
Type of Spike : Surrogate - Laboratory Control			
09/05/92	LCS	GC192090216-13	142.00
09/05/92	LCS DUP	GC192090216-13	108.00
09/04/92	LCS	GC192090214-28	108.00
09/04/92	LCS DUP	GC192090214-28	105.00
09/04/92	LCS	GC192090214-28	88.00
09/04/92	LCS DUP	GC192090214-28	99.00
09/05/92	LCS	GC192090216-13	110.00
09/05/92	LCS DUP	GC192090216-13	107.00
09/17/92	LCS	GC192091712-15	81.00
09/17/92	LCS DUP	GC192091712-15	117.00
09/17/92	LCS	GC192091712-15	118.00
09/17/92	LCS DUP	GC192091712-15	114.00
09/18/92	LCS	GC192091712-54	80.00
09/18/92	LCS DUP	GC192091712-54	116.00
09/18/92	LCS	GC192091712-54	118.00
09/18/92	LCS DUP	GC192091712-54	114.00
09/25/92	LCS	GC192092512-14	118.00
09/25/92	LCS DUP	GC192092512-14	121.00
09/25/92	LCS	GC192092512-14	115.00
09/25/92	LCS DUP	GC192092512-14	124.00
10/14/92	LCS	GC192101412-7	104.00
10/14/92	LCS DUP	GC192101412-7	108.00
10/14/92	LCS	GC192101413-7	101.00
10/14/92	LCS DUP	GC192101413-7	101.00
09/26/92	LCS	GC492092612-14	106.00
09/26/92	LCS DUP	GC492092612-14	110.00
09/26/92	LCS	GC492092612-14	104.00
09/27/92	LCS DUP	GC492092612-14	98.00
10/08/92	LCS	GC692100712-29	108.00
10/08/92	LCS DUP	GC692100712-29	86.00
10/08/92	LCS DUP	GC692100712-29	106.00
10/13/92	LCS	GC692101212-32	87.00
10/13/92	LCS DUP	GC692101212-32	119.00
10/13/92	LCS	GC692101212-32	83.00
10/13/92	LCS DUP	GC692101212-32	93.00
10/08/92	LCS	GC692100713-29	90.00
10/08/92	LCS DUP	GC692100713-29	95.00
10/08/92	LCS	GC692100713-29	96.00
10/08/92	LCS DUP	GC692100713-29	98.00
08/31/92	LCS	GC892083112-6	101.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : 2,4,5,6-Tetrachloro-m-xylene continued			
Type of Spike : Surrogate - Laboratory Control			
08/31/92	LCS DUP	GC892083112-6	99.00
08/24/92	LCS	GC892082412-14	111.00
08/24/92	LCS DUP	GC892082412-14	107.00
08/24/92	LCS	GC892082412-14	103.00
08/24/92	LCS DUP	GC892082412-14	108.00
08/25/92	LCS	GC892082413-12	112.00
08/25/92	LCS DUP	GC892082413-12	114.00
08/25/92	LCS	GC892082413-12	118.00
08/25/92	LCS DUP	GC892082413-12	125.00
10/13/92	LCS	GC892101308-14	90.00
10/13/92	LCS DUP	GC892101308-14	91.00
10/13/92	LCS	GC892101308-14	100.00
10/13/92	LCS DUP	GC892101308-14	103.00
10/08/92	LCS	GC692100712-29	104.00
-----			
Number of Samples	: 54	Below acceptance :	0
Mean % Recovery	: 105.2	Above acceptance :	0
Standard Deviation	: 12.24	Acceptance Criteria	NS

Method : SW8080  
 Spiked Analyte : 4,4'-DDT  
 Type of Spike : Laboratory Control

09/05/92	LCS	GC192090216-13	107.00
09/05/92	LCS DUP	GC192090216-13	100.00
09/04/92	LCS	GC192090214-28	83.00
09/04/92	LCS DUP	GC192090214-28	87.00
09/17/92	LCS	GC192091712-15	107.00
09/17/92	LCS DUP	GC192091712-15	103.00
09/18/92	LCS	GC192091712-54	101.00
09/18/92	LCS DUP	GC192091712-54	98.00
09/25/92	LCS	GC192092512-14	90.00
09/25/92	LCS DUP	GC192092512-14	98.00
10/14/92	LCS	GC192101412-7	95.00
10/14/92	LCS DUP	GC192101412-7	99.00
10/14/92	LCS	GC192101413-7	104.00
10/14/92	LCS DUP	GC192101413-7	107.00
09/26/92	LCS	GC492092612-14	86.00
09/27/92	LCS DUP	GC492092612-14	81.00
10/08/92	LCS DUP	GC692100712-29	107.00
10/13/92	LCS	GC692101212-32	132.00
10/13/92	LCS DUP	GC692101212-32	97.00
10/08/92	LCS	GC692100713-29	105.00
10/08/92	LCS DUP	GC692100713-29	110.00
08/31/92	LCS	GC892083112-6	90.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : 4,4'-DDT continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	GC892083112-6	84.00
08/24/92	LCS	GC892082412-14	89.00
08/24/92	LCS DUP	GC892082412-14	95.00
08/25/92	LCS	GC892082413-12	100.00
08/25/92	LCS DUP	GC892082413-12	98.00
10/13/92	LCS	GC892101308-14	81.00
10/13/92	LCS DUP	GC892101308-14	103.00
10/08/92	LCS	GC692100712-29	105.00
-----			
Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 98.1	Above acceptance :	0
Standard Deviation	: 10.70	Acceptance Criteria	25-160
Type of Spike : Matrix Spike			
09/05/92	06-DS-02 MS	GC192090216-13	158.00
09/05/92	06-DS-02 MSD	GC192090216-13	236.00
09/04/92	06-MW-01-02 MS	GC192090214-28	82.00
09/04/92	06-MW-01-02 MSD	GC192090214-28	103.00
09/18/92	01-SS-07-01 MS	GC192091712-15	87.00
09/18/92	01-SS-07-01 MSD	GC192091712-15	98.00
09/25/92	07-MW-03-02 MS	GC192092512-14	77.00
09/25/92	07-MW-03-02 MSD	GC192092512-14	30.00
09/27/92	04-DS-01 MS	GC492092612-14	127.00
09/27/92	04-DS-01 MSD	GC492092612-14	24.00
10/08/92	07-SS-01-01 MS	GC692100712-29	80.00
10/08/92	07-SS-01-01 MSD	GC692100712-29	78.00
08/25/92	10-MW-02-01 MS	GC892082412-14	0.00
08/25/92	10-MW-02-01 MSD	GC892082412-14	0.00
08/25/92	10-DS-01 MS	GC892082413-12	1.00
08/25/92	10-DS-01 MSD	GC892082413-12	42.00
08/26/92	06-DS-01 MS	GC892082413-12	50.00
08/26/92	06-DS-01 MSD	GC892082413-12	52.00
10/15/92	09-SS-01-01 MS	GC892101308-42	170.00
10/15/92	09-SS-01-01 MSD	GC892101308-42	51.00
10/13/92	10-SS-01-01 MS	GC692101212-32	91.00
10/13/92	10-SS-01-01 MSD	GC692101212-32	91.00
-----			
Number of Samples	: 22	Below acceptance :	4
Mean % Recovery	: 78.5	Above acceptance :	2
Standard Deviation	: 57.94	Acceptance Criteria	25-160



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Aldrin			
Type of Spike : Laboratory Control			
09/05/92	LCS	GC192090216-13	136.00
09/05/92	LCS DUP	GC192090216-13	114.00
09/04/92	LCS	GC192090214-28	92.00
09/04/92	LCS DUP	GC192090214-28	94.00
09/17/92	LCS	GC192091712-15	115.00
09/17/92	LCS DUP	GC192091712-15	112.00
09/18/92	LCS	GC192091712-54	113.00
09/18/92	LCS DUP	GC192091712-54	110.00
09/25/92	LCS	GC192092512-14	100.00
09/25/92	LCS DUP	GC192092512-14	108.00
10/14/92	LCS	GC192101412-7	103.00
10/14/92	LCS DUP	GC192101412-7	107.00
10/14/92	LCS	GC192101413-7	105.00
10/14/92	LCS DUP	GC192101413-7	110.00
09/26/92	LCS	GC492092612-14	115.00
09/27/92	LCS DUP	GC492092612-14	113.00
10/08/92	LCS DUP	GC692100712-29	108.00
10/13/92	LCS	GC692101212-32	114.00
10/13/92	LCS DUP	GC692101212-32	116.00
10/08/92	LCS	GC692100713-29	96.00
10/08/92	LCS DUP	GC692100713-29	100.00
08/31/92	LCS	GC892083112-6	93.00
08/31/92	LCS DUP	GC892083112-6	90.00
08/24/92	LCS	GC892082412-14	93.00
08/24/92	LCS DUP	GC892082412-14	104.00
08/25/92	LCS	GC892082413-12	102.00
08/25/92	LCS DUP	GC892082413-12	105.00
10/13/92	LCS	GC892101308-14	81.00
10/13/92	LCS DUP	GC892101308-14	106.00
10/08/92	LCS	GC692100712-29	104.00

Number of Samples : 30  
Mean % Recovery : 105.3  
Standard Deviation : 10.53

Below acceptance : 0  
Above acceptance : 1  
Acceptance Criteria 42-122

Type of Spike : Matrix Spike

09/05/92	06-DS-02 MS	GC192090216-13	98.00
09/05/92	06-DS-02 MSD	GC192090216-13	106.00
09/04/92	06-MW-01-02 MS	GC192090214-28	96.00
09/04/92	06-MW-01-02 MSD	GC192090214-28	93.00
09/18/92	01-SS-07-01 MS	GC192091712-15	126.00
09/18/92	01-SS-07-01 MSD	GC192091712-15	149.00
09/25/92	07-MW-03-02 MS	GC192092512-14	105.00
09/25/92	07-MW-03-02 MSD	GC192092512-14	42.00
09/27/92	04-DS-01 MS	GC492092612-14	100.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Aldrin continued			
Type of Spike : Matrix Spike			
09/27/92	04-DS-01 MSD	GC492092612-14	111.00
10/08/92	07-SS-01-01 MS	GC692100712-29	118.00
10/08/92	07-SS-01-01 MSD	GC692100712-29	111.00
08/25/92	10-MW-02-01 MS	GC892082412-14	83.00
08/25/92	10-MW-02-01 MSD	GC892082412-14	76.00
08/25/92	10-DS-01 MS	GC892082413-12	81.00
08/25/92	10-DS-01 MSD	GC892082413-12	84.00
08/26/92	06-DS-01 MS	GC892082413-12	77.00
08/26/92	06-DS-01 MSD	GC892082413-12	83.00
10/15/92	09-SS-01-01 MS	GC892101308-42	137.00
10/15/92	09-SS-01-01 MSD	GC892101308-42	138.00
10/13/92	10-SS-01-01 MS	GC692101212-32	84.00
10/13/92	10-SS-01-01 MSD	GC692101212-32	83.00
-----			
Number of Samples	: 22	Below acceptance :	0
Mean % Recovery	: 99.1	Above acceptance :	4
Standard Deviation	: 24.67	Acceptance Criteria	42-122

Method : SW8080  
 Spiked Analyte : Dibutylchloroendate  
 Type of Spike : Surrogate

09/05/92	06-DS-02	GC192090216-13	72.00
09/05/92	06-DS-02 MS	GC192090216-13	80.00
09/05/92	06-DS-02 MSD	GC192090216-13	83.00
09/05/92	06-SS-06-01	GC192090216-13	80.00
09/05/92	06-SB-01-01	GC192090216-13	67.00
09/05/92	11-SB-01-02	GC192090216-13	80.00
09/05/92	06-SB-01-02	GC192090216-13	68.00
09/05/92	11-SB-01-01	GC192090216-13	75.00
09/05/92	06-MW-02-02	GC192090216-13	84.00
09/05/92	06-SS-04-01	GC192090216-13	106.00
09/05/92	06-SS-05-01	GC192090216-13	90.00
09/04/92	06-MW-01-02	GC192090214-28	69.00
09/04/92	06-MW-01-02 MS	GC192090214-28	79.00
09/04/92	06-MW-01-02 MSD	GC192090214-28	77.00
09/17/92	01-SS-07-01	GC192091712-15	72.00
09/18/92	01-SS-07-01 MS	GC192091712-15	69.00
09/18/92	01-SS-07-01 MSD	GC192091712-15	79.00
09/18/92	01-SS-01-01	GC192091712-15	79.00
09/18/92	01-SS-02-01	GC192091712-15	79.00
09/18/92	01-SS-03-01	GC192091712-15	72.00
09/18/92	01-SS-04-01	GC192091712-15	73.00
09/18/92	01-SS-05-01	GC192091712-15	71.00
09/18/92	01-SS-06-01	GC192091712-54	64.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Dibutylchloroendate continued			
Type of Spike : Surrogate			
09/18/92	01-DS-02	GC192091712-54	67.00
09/19/92	01-MW-01-02	GC192091712-54	76.00
09/19/92	01-SS-08-01	GC192091712-54	84.00
09/19/92	01-SS-09-01	GC192091712-54	78.00
09/19/92	01-SS-10-01	GC192091712-54	44.00
09/19/92	06-SD-01-01	GC192091712-54	70.00
09/19/92	06-SD-02-01	GC192091712-54	68.00
09/19/92	06-SS-01-01	GC192091712-54	80.00
09/19/92	06-SS-02-01	GC192091712-54	77.00
09/19/92	06-SS-03-01	GC192091712-54	76.00
09/25/92	07-MW-03-02	GC192092512-14	76.00
09/25/92	07-MW-03-02 MS	GC192092512-14	77.00
09/25/92	07-MW-03-02 MSD	GC192092512-14	40.00
09/26/92	07-MW-01-02	GC192092512-14	77.00
09/26/92	07-SB-03-01	GC192092512-14	77.00
09/26/92	07-SB-02-01	GC192092512-14	70.00
09/26/92	07-MW-02-02	GC192092512-14	63.00
09/26/92	07-SB-01-01	GC192092512-14	75.00
09/26/92	07-DS-01	GC192092512-14	51.00
09/26/92	01-SB-02-01	GC192092512-14	70.00
09/26/92	01-SB-02-02	GC192092512-14	65.00
09/26/92	01-SB-02-03	GC192092512-14	79.00
09/26/92	01-MW-02-02	GC192092512-14	74.00
09/26/92	01-SB-01-02	GC192092512-14	70.00
09/26/92	01-SB-01-03	GC192092512-14	50.00
09/26/92	07-MW-04-02	GC192092512-14	77.00
09/26/92	01-SB-01-01	GC192092512-14	79.00
09/27/92	04-DS-01	GC492092612-14	79.00
09/27/92	04-DS-01 MS	GC492092612-14	86.00
09/27/92	04-DS-01 MSD	GC492092612-14	79.00
09/27/92	04-SS-03-01	GC492092612-14	76.00
09/27/92	04-SD-01-01	GC492092612-14	73.00
09/27/92	04-SD-02-01	GC492092612-14	80.00
09/27/92	04-SS-01-01	GC492092612-14	80.00
09/27/92	04-SS-02-01	GC492092612-14	77.00
09/27/92	04-SD-03-01	GC492092612-14	73.00
09/27/92	04-SD-04-01	GC492092612-14	74.00
09/27/92	04-MW-03-02	GC492092612-14	78.00
09/27/92	04-MW-02-02	GC492092612-14	73.00
09/27/92	09-MW-06-02	GC492092612-14	74.00
09/27/92	09-DS-01	GC492092612-14	78.00
09/27/92	04-MW-01-02	GC492092612-14	76.00
09/27/92	04-MW-04-02	GC492092612-14	74.00
10/08/92	07-SS-01-01	GC692100712-29	59.00
10/08/92	07-SS-01-01 MS	GC692100712-29	64.00
10/08/92	07-SS-01-01 MSD	GC692100712-29	59.00
10/08/92	07-SS-02-01	GC692100712-29	65.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Dibutylchloroendate continued			
Type of Spike : Surrogate			
10/08/92	07-SS-03-01	GC692100712-29	63.00
10/08/92	07-SS-04-01	GC692100712-29	60.00
10/08/92	07-SS-05-01	GC692100712-29	59.00
10/08/92	07-DS-02	GC692100712-29	63.00
10/08/92	07-DS-03	GC692100712-29	59.00
10/08/92	07-SD-02-01	GC692100712-29	46.00
10/13/92	10-SS-01-01	GC692101212-32	68.00
10/13/92	10-SS-02-01	GC692101212-32	58.00
10/13/92	10-SS-03-01	GC692101212-32	58.00
10/13/92	10-DS-02	GC692101212-32	58.00
10/13/92	10-SS-04-01	GC692101212-32	68.00
10/13/92	10-SS-05-01	GC692101212-32	59.00
10/13/92	10-SS-06-01	GC692101212-32	64.00
08/25/92	10-MW-02-01	GC892082412-14	68.00
08/25/92	10-MW-02-01 MS	GC892082412-14	70.00
08/25/92	10-MW-02-01 MSD	GC892082412-14	67.00
08/25/92	10-MW-03-01	GC892082412-14	69.00
08/25/92	10-SB-03-01	GC892082412-14	69.00
08/25/92	10-SB-03-02	GC892082412-14	64.00
08/25/92	10-SB-03-03	GC892082412-14	69.00
08/25/92	10-DS-01	GC892082413-12	72.00
08/25/92	10-DS-01 MS	GC892082413-12	73.00
08/25/92	10-DS-01 MSD	GC892082413-12	73.00
08/25/92	10-SB-02-02	GC892082413-12	66.00
08/25/92	10-MW-01-01	GC892082413-12	60.00
08/26/92	06-DS-01	GC892082413-12	71.00
08/26/92	06-DS-01 MS	GC892082413-12	64.00
08/26/92	06-DS-01 MSD	GC892082413-12	69.00
08/26/92	10-SB-02-01	GC892082413-12	68.00
08/26/92	06-MW-04-02	GC892082413-12	64.00
08/26/92	06-SB-02-01	GC892082413-12	57.00
08/26/92	06-SB-02-02	GC892082413-12	64.00
08/26/92	10-SB-01-01	GC892082413-12	62.00
08/26/92	10-SB-01-02	GC892082413-12	527.00
08/26/92	06-MW-03-02	GC892082413-12	67.00
10/14/92	09-SS-03-01	GC892101308-14	81.00
10/14/92	01-SD-02-01	GC892101308-14	77.00
10/14/92	01-DS-03	GC892101308-14	80.00
10/15/92	09-SS-01-01	GC892101308-42	73.00
10/15/92	09-SS-01-01 MS	GC892101308-42	81.00
10/15/92	09-SS-01-01 MSD	GC892101308-42	78.00
10/15/92	09-SS-02-01	GC892101308-42	87.00
10/15/92	01-DS-01	GC892101308-42	83.00
10/15/92	01-SD-01-01	GC892101308-42	78.00
10/15/92	07-SD-01-01	GC892101308-42	97.00
10/15/92	07-DS-03	GC892101308-42	75.00
10/13/92	10-SS-01-01 MS	GC692101212-32	56.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Dibutylchloroendate continued			
Type of Spike : Surrogate			
10/13/92	10-SS-01-01 MSD	GC692101212-32	59.00
-----			
Number of Samples		: 118	Below acceptance : 0
Mean % Recovery		: 75.1	Above acceptance : 1
Standard Deviation		: 43.11	Acceptance Criteria 20-150
Type of Spike : Surrogate - Blank Sample			
09/04/92	METHOD BLANK	GC192090214-28	79.00
09/04/92	METHOD BLANK	GC192090216-13	82.00
09/17/92	METHOD BLANK	GC192091712-15	82.00
09/18/92	METHOD BLANK	GC192091712-54	76.00
09/25/92	METHOD BLANK	GC192092512-14	86.00
10/14/92	METHOD BLANK	GC192101412-7	71.00
09/26/92	METHOD BLANK	GC492092612-14	70.00
10/08/92	METHOD BLANK	GC692100712-29	65.00
10/13/92	METHOD BLANK	GC692101212-32	68.00
10/08/92	METHOD BLANK	GC692100713-29	68.00
08/31/92	METHOD BLANK	GC892083112-6	69.00
08/24/92	METHOD BLANK	GC892082412-14	78.00
08/25/92	METHOD BLANK	GC892082413-12	78.00
10/13/92	METHOD BLANK	GC892101308-14	82.00
-----			
Number of Samples		: 14	Below acceptance : 0
Mean % Recovery		: 75.3	Above acceptance : 0
Standard Deviation		: 6.66	Acceptance Criteria 20-150
Type of Spike : Surrogate - Laboratory Control			
09/05/92	LCS	GC192090216-13	78.00
09/05/92	LCS DUP	GC192090216-13	80.00
09/04/92	LCS	GC192090214-28	85.00
09/04/92	LCS DUP	GC192090214-28	75.00
09/04/92	LCS	GC192090214-28	69.00
09/04/92	LCS DUP	GC192090214-28	73.00
09/05/92	LCS	GC192090216-13	80.00
09/05/92	LCS DUP	GC192090216-13	79.00
09/17/92	LCS	GC192091712-15	55.00
09/17/92	LCS DUP	GC192091712-15	84.00
09/17/92	LCS	GC192091712-15	80.00
09/17/92	LCS DUP	GC192091712-15	80.00
09/18/92	LCS	GC192091712-54	52.00
09/18/92	LCS DUP	GC192091712-54	80.00
09/18/92	LCS	GC192091712-54	77.00
09/18/92	LCS DUP	GC192091712-54	77.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Dibutylchloroendate continued			
Type of Spike : Surrogate - Laboratory Control			
09/25/92	LCS	GC192092512-14	83.00
09/25/92	LCS DUP	GC192092512-14	86.00
09/25/92	LCS	GC192092512-14	79.00
09/25/92	LCS DUP	GC192092512-14	80.00
10/14/92	LCS	GC192101412-7	83.00
10/14/92	LCS DUP	GC192101412-7	80.00
10/14/92	LCS	GC192101413-7	81.00
10/14/92	LCS DUP	GC192101413-7	77.00
09/26/92	LCS	GC492092612-14	78.00
09/26/92	LCS DUP	GC492092612-14	79.00
09/26/92	LCS	GC492092612-14	76.00
09/27/92	LCS DUP	GC492092612-14	70.00
10/08/92	LCS	GC692100712-29	67.00
10/08/92	LCS DUP	GC692100712-29	72.00
10/08/92	LCS DUP	GC692100712-29	71.00
10/13/92	LCS	GC692101212-32	73.00
10/13/92	LCS DUP	GC692101212-32	76.00
10/13/92	LCS	GC692101212-32	61.00
10/13/92	LCS DUP	GC692101212-32	71.00
10/08/92	LCS	GC692100713-29	104.00
10/08/92	LCS DUP	GC692100713-29	110.00
10/08/92	LCS	GC692100713-29	78.00
10/08/92	LCS DUP	GC692100713-29	74.00
08/31/92	LCS	GC892083112-6	66.00
08/31/92	LCS DUP	GC892083112-6	66.00
08/24/92	LCS	GC892082412-14	73.00
08/24/92	LCS DUP	GC892082412-14	72.00
08/24/92	LCS	GC892082412-14	69.00
08/24/92	LCS DUP	GC892082412-14	74.00
08/25/92	LCS	GC892082413-12	76.00
08/25/92	LCS DUP	GC892082413-12	79.00
08/25/92	LCS	GC892082413-12	76.00
08/25/92	LCS DUP	GC892082413-12	82.00
10/13/92	LCS	GC892101308-14	106.00
10/13/92	LCS DUP	GC892101308-14	110.00
10/13/92	LCS	GC892101308-14	79.00
10/13/92	LCS DUP	GC892101308-14	81.00
10/08/92	LCS	GC692100712-29	73.00
-----			
Number of Samples	: 54	Below acceptance :	0
Mean % Recovery	: 77.7	Above acceptance :	0
Standard Deviation	: 10.84	Acceptance Criteria	NS

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Dieldrin			
Type of Spike : Laboratory Control			
09/05/92	LCS	GC192090216-13	98.00
09/05/92	LCS DUP	GC192090216-13	99.00
09/04/92	LCS	GC192090214-28	83.00
09/04/92	LCS DUP	GC192090214-28	89.00
09/17/92	LCS	GC192091712-15	106.00
09/17/92	LCS DUP	GC192091712-15	105.00
09/18/92	LCS	GC192091712-54	102.00
09/18/92	LCS DUP	GC192091712-54	101.00
09/25/92	LCS	GC192092512-14	94.00
09/25/92	LCS DUP	GC192092512-14	98.00
10/14/92	LCS	GC192101412-7	96.00
10/14/92	LCS DUP	GC192101412-7	100.00
10/14/92	LCS	GC192101413-7	98.00
10/14/92	LCS DUP	GC192101413-7	101.00
09/26/92	LCS	GC492092612-14	90.00
09/27/92	LCS DUP	GC492092612-14	85.00
10/08/92	LCS DUP	GC692100712-29	97.00
10/13/92	LCS	GC692101212-32	106.00
10/13/92	LCS DUP	GC692101212-32	107.00
10/08/92	LCS	GC692100713-29	93.00
10/08/92	LCS DUP	GC692100713-29	97.00
08/31/92	LCS	GC892083112-6	85.00
08/31/92	LCS DUP	GC892083112-6	83.00
08/24/92	LCS	GC892082412-14	87.00
08/24/92	LCS DUP	GC892082412-14	93.00
08/25/92	LCS	GC892082413-12	94.00
08/25/92	LCS DUP	GC892082413-12	95.00
10/13/92	LCS	GC892101308-14	79.00
10/13/92	LCS DUP	GC892101308-14	102.00
10/08/92	LCS	GC692100712-29	94.00
-----			
Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 95.2	Above acceptance :	0
Standard Deviation	: 7.45	Acceptance Criteria	36-146
-----			
Type of Spike : Matrix Spike			
09/05/92	06-DS-02 MS	GC192090216-13	98.00
09/05/92	06-DS-02 MSD	GC192090216-13	95.00
09/04/92	06-MW-01-02 MS	GC192090214-28	89.00
09/04/92	06-MW-01-02 MSD	GC192090214-28	86.00
09/18/92	01-SS-07-01 MS	GC192091712-15	88.00
09/18/92	01-SS-07-01 MSD	GC192091712-15	102.00
09/25/92	07-MW-03-02 MS	GC192092512-14	89.00
09/25/92	07-MW-03-02 MSD	GC192092512-14	49.00
09/27/92	04-DS-01 MS	GC492092612-14	194.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Dieldrin continued			
Type of Spike : Matrix Spike			
09/27/92	04-DS-01 MSD	GC492092612-14	52.00
10/08/92	07-SS-01-01 MS	GC692100712-29	51.00
10/08/92	07-SS-01-01 MSD	GC692100712-29	40.00
08/25/92	10-MW-02-01 MS	GC892082412-14	90.00
08/25/92	10-MW-02-01 MSD	GC892082412-14	82.00
08/25/92	10-DS-01 MS	GC892082413-12	78.00
08/25/92	10-DS-01 MSD	GC892082413-12	78.00
08/26/92	06-DS-01 MS	GC892082413-12	78.00
08/26/92	06-DS-01 MSD	GC892082413-12	80.00
10/15/92	09-SS-01-01 MS	GC892101308-42	99.00
10/15/92	09-SS-01-01 MSD	GC892101308-42	99.00
10/13/92	10-SS-01-01 MS	GC692101212-32	94.00
10/13/92	10-SS-01-01 MSD	GC692101212-32	94.00
-----			
Number of Samples		: 22	Below acceptance : 0
Mean % Recovery		: 86.6	Above acceptance : 1
Standard Deviation		: 29.88	Acceptance Criteria 36-146

Method : SW8080  
 Spiked Analyte : Endosulfan II  
 Type of Spike : Laboratory Control

09/05/92	LCS	GC192090216-13	90.00
09/05/92	LCS DUP	GC192090216-13	84.00
09/04/92	LCS	GC192090214-28	75.00
09/04/92	LCS DUP	GC192090214-28	79.00
09/17/92	LCS	GC192091712-15	97.00
09/17/92	LCS DUP	GC192091712-15	95.00
09/18/92	LCS	GC192091712-54	94.00
09/18/92	LCS DUP	GC192091712-54	92.00
09/25/92	LCS	GC192092512-14	72.00
09/25/92	LCS DUP	GC192092512-14	55.00
10/14/92	LCS	GC192101412-7	96.00
10/14/92	LCS DUP	GC192101412-7	93.00
10/14/92	LCS	GC192101413-7	91.00
10/14/92	LCS DUP	GC192101413-7	89.00
09/26/92	LCS	GC492092612-14	91.00
09/27/92	LCS DUP	GC492092612-14	87.00
10/08/92	LCS DUP	GC692100712-29	85.00
10/13/92	LCS	GC692101212-32	74.00
10/13/92	LCS DUP	GC692101212-32	100.00
10/08/92	LCS	GC692100713-29	90.00
10/08/92	LCS DUP	GC692100713-29	88.00
08/31/92	LCS	GC892083112-6	79.00
08/31/92	LCS DUP	GC892083112-6	75.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Endosulfan II continued			
Type of Spike : Laboratory Control			
08/24/92	LCS	GC892082412-14	80.00
08/24/92	LCS DUP	GC892082412-14	91.00
08/25/92	LCS	GC892082413-12	88.00
08/25/92	LCS DUP	GC892082413-12	88.00
10/13/92	LCS	GC892101308-14	73.00
10/13/92	LCS DUP	GC892101308-14	93.00
10/08/92	LCS	GC692100712-29	87.00
-----			
Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 85.7	Above acceptance :	0
Standard Deviation	: 9.60	Acceptance Criteria	D-202

Method : SW8080  
Spiked Analyte : Endrin

Type of Spike : Laboratory Control

09/05/92	LCS	GC192090216-13	103.00
09/05/92	LCS DUP	GC192090216-13	74.00
09/04/92	LCS	GC192090214-28	84.00
09/04/92	LCS DUP	GC192090214-28	91.00
09/17/92	LCS	GC192091712-15	130.00
09/17/92	LCS DUP	GC192091712-15	72.00
09/18/92	LCS	GC192091712-54	126.00
09/18/92	LCS DUP	GC192091712-54	70.00
09/25/92	LCS	GC192092512-14	100.00
09/25/92	LCS DUP	GC192092512-14	105.00
10/14/92	LCS	GC192101412-7	78.00
10/14/92	LCS DUP	GC192101412-7	90.00
10/14/92	LCS	GC192101413-7	73.00
10/14/92	LCS DUP	GC192101413-7	85.00
09/26/92	LCS	GC492092612-14	96.00
09/27/92	LCS DUP	GC492092612-14	82.00
10/08/92	LCS DUP	GC692100712-29	85.00
10/13/92	LCS	GC692101212-32	106.00
10/13/92	LCS DUP	GC692101212-32	109.00
10/08/92	LCS	GC692100713-29	75.00
10/08/92	LCS DUP	GC692100713-29	88.00
08/31/92	LCS	GC892083112-6	96.00
08/31/92	LCS DUP	GC892083112-6	90.00
08/24/92	LCS	GC892082412-14	97.00
08/24/92	LCS DUP	GC892082412-14	102.00
08/25/92	LCS	GC892082413-12	107.00
08/25/92	LCS DUP	GC892082413-12	105.00
10/13/92	LCS	GC892101308-14	78.00
10/13/92	LCS DUP	GC892101308-14	65.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Endrin continued			
Type of Spike : Laboratory Control			
10/08/92	LCS	GC692100712-29	74.00
-----			
Number of Samples		: 30	Below acceptance : 0
Mean % Recovery		: 91.2	Above acceptance : 0
Standard Deviation		: 16.15	Acceptance Criteria 30-147

Type of Spike : Matrix Spike

09/05/92	06-DS-02 MS	GC192090216-13	104.00
09/05/92	06-DS-02 MSD	GC192090216-13	111.00
09/04/92	06-MW-01-02 MS	GC192090214-28	97.00
09/04/92	06-MW-01-02 MSD	GC192090214-28	100.00
09/18/92	01-SS-07-01 MS	GC192091712-15	110.00
09/18/92	01-SS-07-01 MSD	GC192091712-15	120.00
09/25/92	07-MW-03-02 MS	GC192092512-14	112.00
09/25/92	07-MW-03-02 MSD	GC192092512-14	60.00
09/27/92	04-DS-01 MS	GC492092612-14	102.00
09/27/92	04-DS-01 MSD	GC492092612-14	105.00
10/08/92	07-SS-01-01 MS	GC692100712-29	86.00
10/08/92	07-SS-01-01 MSD	GC692100712-29	82.00
08/25/92	10-MW-02-01 MS	GC892082412-14	87.00
08/25/92	10-MW-02-01 MSD	GC892082412-14	77.00
08/25/92	10-DS-01 MS	GC892082413-12	92.00
08/25/92	10-DS-01 MSD	GC892082413-12	90.00
08/26/92	06-DS-01 MS	GC892082413-12	106.00
08/26/92	06-DS-01 MSD	GC892082413-12	99.00
10/15/92	09-SS-01-01 MS	GC892101308-42	91.00
10/15/92	09-SS-01-01 MSD	GC892101308-42	89.00
10/13/92	10-SS-01-01 MS	GC692101212-32	85.00
10/13/92	10-SS-01-01 MSD	GC692101212-32	84.00
-----			
Number of Samples		: 22	Below acceptance : 0
Mean % Recovery		: 95.0	Above acceptance : 0
Standard Deviation		: 13.73	Acceptance Criteria 30-147

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Endrin Aldehyde			
Type of Spike : Laboratory Control			
09/05/92	LCS	GC192090216-13	104.00
09/05/92	LCS DUP	GC192090216-13	98.00
09/04/92	LCS	GC192090214-28	58.00
09/04/92	LCS DUP	GC192090214-28	63.00
09/17/92	LCS	GC192091712-15	74.00
09/17/92	LCS DUP	GC192091712-15	110.00
09/18/92	LCS	GC192091712-54	68.00
09/18/92	LCS DUP	GC192091712-54	104.00
09/25/92	LCS	GC192092512-14	83.00
09/25/92	LCS DUP	GC192092512-14	74.00
10/14/92	LCS	GC192101412-7	111.00
10/14/92	LCS DUP	GC192101412-7	72.00
10/14/92	LCS	GC192101413-7	102.00
10/14/92	LCS DUP	GC192101413-7	66.00
09/26/92	LCS	GC492092612-14	107.00
09/27/92	LCS DUP	GC492092612-14	101.00
10/08/92	LCS DUP	GC692100712-29	63.00
10/13/92	LCS	GC692101212-32	51.00
10/13/92	LCS DUP	GC692101212-32	92.00
10/08/92	LCS	GC692100713-29	100.00
10/08/92	LCS DUP	GC692100713-29	62.00
08/31/92	LCS	GC892083112-6	81.00
08/31/92	LCS DUP	GC892083112-6	80.00
08/24/92	LCS	GC892082412-14	70.00
08/24/92	LCS DUP	GC892082412-14	75.00
08/25/92	LCS	GC892082413-12	79.00
08/25/92	LCS DUP	GC892082413-12	93.00
10/13/92	LCS	GC892101308-14	73.00
10/13/92	LCS DUP	GC892101308-14	109.00
10/08/92	LCS	GC692100712-29	98.00
-----			
Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 84.0	Above acceptance :	0
Standard Deviation	: 17.88	Acceptance Criteria	NS

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Heptachlor			
Type of Spike : Laboratory Control			
09/05/92	LCS	GC192090216-13	99.00
09/05/92	LCS DUP	GC192090216-13	103.00
09/04/92	LCS	GC192090214-28	88.00
09/04/92	LCS DUP	GC192090214-28	92.00
09/17/92	LCS	GC192091712-15	110.00
09/17/92	LCS DUP	GC192091712-15	107.00
09/18/92	LCS	GC192091712-54	104.00
09/18/92	LCS DUP	GC192091712-54	102.00
09/25/92	LCS	GC192092512-14	94.00
09/25/92	LCS DUP	GC192092512-14	99.00
10/14/92	LCS	GC192101412-7	103.00
10/14/92	LCS DUP	GC192101412-7	102.00
10/14/92	LCS	GC192101413-7	100.00
10/14/92	LCS DUP	GC192101413-7	105.00
09/26/92	LCS	GC492092612-14	100.00
09/27/92	LCS DUP	GC492092612-14	109.00
10/08/92	LCS DUP	GC692100712-29	91.00
10/13/92	LCS	GC692101212-32	126.00
10/13/92	LCS DUP	GC692101212-32	103.00
10/08/92	LCS	GC692100713-29	87.00
10/08/92	LCS DUP	GC692100713-29	92.00
08/31/92	LCS	GC892083112-6	91.00
08/31/92	LCS DUP	GC892083112-6	86.00
08/24/92	LCS	GC892082412-14	91.00
08/24/92	LCS DUP	GC892082412-14	101.00
08/25/92	LCS	GC892082413-12	101.00
08/25/92	LCS DUP	GC892082413-12	103.00
10/13/92	LCS	GC892101308-14	78.00
10/13/92	LCS DUP	GC892101308-14	101.00
10/08/92	LCS	GC692100712-29	88.00
-----			
Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 98.5	Above acceptance :	1
Standard Deviation	: 9.24	Acceptance Criteria	34-111
Type of Spike : Matrix Spike			
09/05/92	06-DS-02 MS	GC192090216-13	86.00
09/05/92	06-DS-02 MSD	GC192090216-13	88.00
09/04/92	06-MW-01-02 MS	GC192090214-28	82.00
09/04/92	06-MW-01-02 MSD	GC192090214-28	74.00
09/18/92	01-SS-07-01 MS	GC192091712-15	110.00
09/18/92	01-SS-07-01 MSD	GC192091712-15	132.00
09/25/92	07-MW-03-02 MS	GC192092512-14	78.00
09/25/92	07-MW-03-02 MSD	GC192092512-14	44.00
09/27/92	04-DS-01 MS	GC492092612-14	90.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8080

Spiked Analyte : Heptachlor continued

Type of Spike : Matrix Spike

09/27/92	04-DS-01 MSD	GC492092612-14	103.00
10/08/92	07-SS-01-01 MS	GC692100712-29	50.00
10/08/92	07-SS-01-01 MSD	GC692100712-29	51.00
08/25/92	10-MW-02-01 MS	GC892082412-14	88.00
08/25/92	10-MW-02-01 MSD	GC892082412-14	82.00
08/25/92	10-DS-01 MS	GC892082413-12	87.00
08/25/92	10-DS-01 MSD	GC892082413-12	90.00
08/26/92	06-DS-01 MS	GC892082413-12	83.00
08/26/92	06-DS-01 MSD	GC892082413-12	88.00
10/15/92	09-SS-01-01 MS	GC892101308-42	98.00
10/15/92	09-SS-01-01 MSD	GC892101308-42	97.00
10/13/92	10-SS-01-01 MS	GC692101212-32	76.00
10/13/92	10-SS-01-01 MSD	GC692101212-32	76.00

Number of Samples : 22  
Mean % Recovery : 84.2  
Standard Deviation : 19.46

Below acceptance : 0  
Above acceptance : 1  
Acceptance Criteria 34-111

Method : SW8080

Spiked Analyte : Heptachlor epoxide

Type of Spike : Laboratory Control

09/05/92	LCS	GC192090216-13	142.00
09/05/92	LCS DUP	GC192090216-13	120.00
09/04/92	LCS	GC192090214-28	104.00
09/04/92	LCS DUP	GC192090214-28	110.00
09/17/92	LCS	GC192091712-15	111.00
09/17/92	LCS DUP	GC192091712-15	107.00
09/18/92	LCS	GC192091712-54	109.00
09/18/92	LCS DUP	GC192091712-54	104.00
09/25/92	LCS	GC192092512-14	99.00
09/25/92	LCS DUP	GC192092512-14	111.00
10/14/92	LCS	GC192101412-7	112.00
10/14/92	LCS DUP	GC192101412-7	112.00
10/14/92	LCS	GC192101413-7	101.00
10/14/92	LCS DUP	GC192101413-7	103.00
09/26/92	LCS	GC492092612-14	93.00
09/27/92	LCS DUP	GC492092612-14	88.00
10/08/92	LCS DUP	GC692100712-29	91.00
10/13/92	LCS	GC692101212-32	397.00
10/13/92	LCS DUP	GC692101212-32	119.00
10/08/92	LCS	GC692100713-29	91.00
10/08/92	LCS DUP	GC692100713-29	94.00
08/31/92	LCS	GC892083112-6	97.00
08/31/92	LCS DUP	GC892083112-6	89.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Heptachlor epoxide continued			
Type of Spike : Laboratory Control			
08/24/92	LCS	GC892082412-14	92.00
08/24/92	LCS DUP	GC892082412-14	99.00
08/25/92	LCS	GC892082413-12	105.00
08/25/92	LCS DUP	GC892082413-12	103.00
10/13/92	LCS	GC892101308-14	79.00
10/13/92	LCS DUP	GC892101308-14	102.00
10/08/92	LCS	GC692100712-29	88.00
-----			
Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 112.4	Above acceptance :	1
Standard Deviation	: 55.13	Acceptance Criteria	37-142
Method : SW8080			
Spiked Analyte : Mirex			
Type of Spike : Laboratory Control			
09/05/92	LCS	GC192090216-13	115.00
09/05/92	LCS DUP	GC192090216-13	111.00
09/04/92	LCS	GC192090214-28	94.00
09/04/92	LCS DUP	GC192090214-28	99.00
09/17/92	LCS	GC192091712-15	115.00
09/17/92	LCS DUP	GC192091712-15	114.00
09/18/92	LCS	GC192091712-54	109.00
09/18/92	LCS DUP	GC192091712-54	108.00
09/25/92	LCS	GC192092512-14	104.00
09/25/92	LCS DUP	GC192092512-14	110.00
10/14/92	LCS	GC192101412-7	101.00
10/14/92	LCS DUP	GC192101412-7	106.00
10/14/92	LCS	GC192101413-7	106.00
10/14/92	LCS DUP	GC192101413-7	111.00
09/26/92	LCS	GC492092612-14	108.00
09/27/92	LCS DUP	GC492092612-14	102.00
10/08/92	LCS DUP	GC692100712-29	115.00
10/13/92	LCS	GC692101212-32	142.00
10/13/92	LCS DUP	GC692101212-32	119.00
10/08/92	LCS	GC692100713-29	116.00
10/08/92	LCS DUP	GC692100713-29	120.00
08/31/92	LCS	GC892083112-6	96.00
08/31/92	LCS DUP	GC892083112-6	94.00
08/24/92	LCS	GC892082412-14	97.00
08/24/92	LCS DUP	GC892082412-14	107.00
08/25/92	LCS	GC892082413-12	109.00
08/25/92	LCS DUP	GC892082413-12	113.00
10/13/92	LCS	GC892101308-14	101.00
10/13/92	LCS DUP	GC892101308-14	126.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : Mirex continued			
Type of Spike : Laboratory Control			
10/08/92	LCS	GC692100712-29	112.00
-----			
Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 109.3	Above acceptance :	0
Standard Deviation	: 10.00	Acceptance Criteria	NS
Method : SW8080			
Spiked Analyte : PCB-1016			
Type of Spike : Laboratory Control			
09/04/92	LCS	GC192090214-28	269.00
09/04/92	LCS DUP	GC192090214-28	212.00
09/05/92	LCS	GC192090216-13	111.00
09/05/92	LCS DUP	GC192090216-13	275.00
09/17/92	LCS	GC192091712-15	86.00
09/17/92	LCS DUP	GC192091712-15	117.00
09/18/92	LCS	GC192091712-54	83.00
09/18/92	LCS DUP	GC192091712-54	113.00
09/25/92	LCS	GC192092512-14	124.00
09/25/92	LCS DUP	GC192092512-14	124.00
09/26/92	LCS	GC492092612-14	317.00
09/26/92	LCS DUP	GC492092612-14	269.00
10/08/92	LCS	GC692100712-29	104.00
10/08/92	LCS DUP	GC692100712-29	91.00
10/13/92	LCS	GC692101212-32	190.00
10/13/92	LCS DUP	GC692101212-32	112.00
10/08/92	LCS	GC692100713-29	94.00
10/08/92	LCS DUP	GC692100713-29	93.00
08/24/92	LCS	GC892082412-14	93.00
08/24/92	LCS DUP	GC892082412-14	87.00
08/25/92	LCS	GC892082413-12	116.00
08/25/92	LCS DUP	GC892082413-12	96.00
10/13/92	LCS	GC892101308-14	87.00
10/13/92	LCS DUP	GC892101308-14	90.00
-----			
Number of Samples	: 24	Below acceptance :	0
Mean % Recovery	: 139.7	Above acceptance :	10
Standard Deviation	: 72.51	Acceptance Criteria	50-114

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : PCB-1260			
Type of Spike : Laboratory Control			
09/04/92	LCS	GC192090214-28	118.00
09/04/92	LCS DUP	GC192090214-28	104.00
09/05/92	LCS	GC192090216-13	121.00
09/05/92	LCS DUP	GC192090216-13	113.00
09/17/92	LCS	GC192091712-15	86.00
09/17/92	LCS DUP	GC192091712-15	121.00
09/18/92	LCS	GC192091712-54	81.00
09/18/92	LCS DUP	GC192091712-54	111.00
09/25/92	LCS	GC192092512-14	126.00
09/25/92	LCS DUP	GC192092512-14	121.00
09/26/92	LCS	GC492092612-14	111.00
09/26/92	LCS DUP	GC492092612-14	111.00
10/08/92	LCS	GC692100712-29	93.00
10/08/92	LCS DUP	GC692100712-29	95.00
10/13/92	LCS	GC692101212-32	110.00
10/13/92	LCS DUP	GC692101212-32	112.00
10/08/92	LCS	GC692100713-29	86.00
10/08/92	LCS DUP	GC692100713-29	87.00
08/24/92	LCS	GC892082412-14	89.00
08/24/92	LCS DUP	GC892082412-14	84.00
08/25/92	LCS	GC892082413-12	90.00
08/25/92	LCS DUP	GC892082413-12	97.00
10/13/92	LCS	GC892101308-14	90.00
10/13/92	LCS DUP	GC892101308-14	95.00

Number of Samples	: 24	Below acceptance :	0
Mean % Recovery	: 102.2	Above acceptance :	0
Standard Deviation	: 14.16	Acceptance Criteria	8-127

Method : SW8080  
Spiked Analyte : alpha-BHC

Type of Spike : Laboratory Control

09/05/92	LCS	GC192090216-13	116.00
09/05/92	LCS DUP	GC192090216-13	104.00
09/04/92	LCS	GC192090214-28	95.00
09/04/92	LCS DUP	GC192090214-28	102.00
09/17/92	LCS	GC192091712-15	115.00
09/17/92	LCS DUP	GC192091712-15	111.00
09/18/92	LCS	GC192091712-54	115.00
09/18/92	LCS DUP	GC192091712-54	111.00
09/25/92	LCS	GC192092512-14	98.00
09/25/92	LCS DUP	GC192092512-14	103.00
10/14/92	LCS	GC192101412-7	102.00
10/14/92	LCS DUP	GC192101412-7	102.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : alpha-BHC continued			
Type of Spike : Laboratory Control			
10/14/92	LCS	GC192101413-7	99.00
10/14/92	LCS DUP	GC192101413-7	103.00
09/26/92	LCS	GC492092612-14	101.00
09/27/92	LCS DUP	GC492092612-14	95.00
10/08/92	LCS DUP	GC692100712-29	112.00
10/13/92	LCS	GC692101212-32	124.00
10/13/92	LCS DUP	GC692101212-32	123.00
10/08/92	LCS	GC692100713-29	114.00
10/08/92	LCS DUP	GC692100713-29	115.00
08/31/92	LCS	GC892083112-6	102.00
08/31/92	LCS DUP	GC892083112-6	99.00
08/24/92	LCS	GC892082412-14	103.00
08/24/92	LCS DUP	GC892082412-14	113.00
08/25/92	LCS	GC892082413-12	113.00
08/25/92	LCS DUP	GC892082413-12	112.00
10/13/92	LCS	GC892101308-14	83.00
10/13/92	LCS DUP	GC892101308-14	109.00
10/08/92	LCS	GC692100712-29	112.00

Number of Samples : 30  
Mean % Recovery : 106.9  
Standard Deviation : 8.94

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria 37-134

Method : SW8080  
Spiked Analyte : alpha-Chlordane  
Type of Spike : Laboratory Control

09/05/92	LCS	GC192090216-13	124.00
09/05/92	LCS DUP	GC192090216-13	117.00
09/04/92	LCS	GC192090214-28	98.00
09/04/92	LCS DUP	GC192090214-28	107.00
09/17/92	LCS	GC192091712-15	136.00
09/17/92	LCS DUP	GC192091712-15	125.00
09/18/92	LCS	GC192091712-54	130.00
09/18/92	LCS DUP	GC192091712-54	120.00
09/25/92	LCS	GC192092512-14	106.00
09/25/92	LCS DUP	GC192092512-14	112.00
10/14/92	LCS	GC192101412-7	112.00
10/14/92	LCS DUP	GC192101412-7	114.00
10/14/92	LCS	GC192101413-7	101.00
10/14/92	LCS DUP	GC192101413-7	107.00
09/26/92	LCS	GC492092612-14	114.00
09/27/92	LCS DUP	GC492092612-14	102.00
10/08/92	LCS DUP	GC692100712-29	113.00
10/13/92	LCS	GC692101212-32	149.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : alpha-Chlordane continued			
Type of Spike : Laboratory Control			
10/13/92	LCS DUP	GC692101212-32	124.00
10/08/92	LCS	GC692100713-29	109.00
10/08/92	LCS DUP	GC692100713-29	115.00
08/31/92	LCS	GC892083112-6	100.00
08/31/92	LCS DUP	GC892083112-6	97.00
08/24/92	LCS	GC892082412-14	101.00
08/24/92	LCS DUP	GC892082412-14	108.00
08/25/92	LCS	GC892082413-12	111.00
08/25/92	LCS DUP	GC892082413-12	111.00
10/13/92	LCS	GC892101308-14	90.00
10/13/92	LCS DUP	GC892101308-14	121.00
10/08/92	LCS	GC692100712-29	111.00

Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 112.8	Above acceptance :	0
Standard Deviation	: 12.32	Acceptance Criteria	NS

Method : SW8080  
Spiked Analyte : delta-BHC

Type of Spike : Laboratory Control

09/05/92	LCS	GC192090216-13	172.00
09/05/92	LCS DUP	GC192090216-13	109.00
09/04/92	LCS	GC192090214-28	94.00
09/04/92	LCS DUP	GC192090214-28	100.00
09/17/92	LCS	GC192091712-15	122.00
09/17/92	LCS DUP	GC192091712-15	108.00
09/18/92	LCS	GC192091712-54	125.00
09/18/92	LCS DUP	GC192091712-54	111.00
09/25/92	LCS	GC192092512-14	95.00
09/25/92	LCS DUP	GC192092512-14	102.00
10/14/92	LCS	GC192101412-7	91.00
10/14/92	LCS DUP	GC192101412-7	94.00
10/14/92	LCS	GC192101413-7	94.00
10/14/92	LCS DUP	GC192101413-7	100.00
09/26/92	LCS	GC492092612-14	101.00
09/27/92	LCS DUP	GC492092612-14	94.00
10/08/92	LCS DUP	GC692100712-29	102.00
10/13/92	LCS	GC692101212-32	124.00
10/13/92	LCS DUP	GC692101212-32	111.00
10/08/92	LCS	GC692100713-29	106.00
10/08/92	LCS DUP	GC692100713-29	109.00
08/31/92	LCS	GC892083112-6	83.00
08/31/92	LCS DUP	GC892083112-6	79.00
08/24/92	LCS	GC892082412-14	76.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : delta-BHC continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	GC892082412-14	81.00
08/25/92	LCS	GC892082413-12	84.00
08/25/92	LCS DUP	GC892082413-12	84.00
10/13/92	LCS	GC892101308-14	79.00
10/13/92	LCS DUP	GC892101308-14	105.00
10/08/92	LCS	GC692100712-29	99.00

Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 101.1	Above acceptance :	1
Standard Deviation	: 18.79	Acceptance Criteria	19-140

Method : SW8080  
Spiked Analyte : gamma-BHC

Type of Spike : Laboratory Control

09/05/92	LCS	GC192090216-13	100.00
09/05/92	LCS DUP	GC192090216-13	105.00
09/04/92	LCS	GC192090214-28	103.00
09/04/92	LCS DUP	GC192090214-28	104.00
09/17/92	LCS	GC192091712-15	115.00
09/17/92	LCS DUP	GC192091712-15	112.00
09/18/92	LCS	GC192091712-54	114.00
09/18/92	LCS DUP	GC192091712-54	111.00
09/25/92	LCS	GC192092512-14	97.00
09/25/92	LCS DUP	GC192092512-14	100.00
10/14/92	LCS	GC192101412-7	98.00
10/14/92	LCS DUP	GC192101412-7	114.00
10/14/92	LCS	GC192101413-7	103.00
10/14/92	LCS DUP	GC192101413-7	105.00
09/26/92	LCS	GC492092612-14	101.00
09/27/92	LCS DUP	GC492092612-14	95.00
10/08/92	LCS DUP	GC692100712-29	111.00
10/13/92	LCS	GC692101212-32	103.00
10/13/92	LCS DUP	GC692101212-32	121.00
10/08/92	LCS	GC692100713-29	108.00
10/08/92	LCS DUP	GC692100713-29	108.00
08/31/92	LCS	GC892083112-6	84.00
08/31/92	LCS DUP	GC892083112-6	83.00
08/24/92	LCS	GC892082412-14	88.00
08/24/92	LCS DUP	GC892082412-14	94.00
08/25/92	LCS	GC892082413-12	94.00
08/25/92	LCS DUP	GC892082413-12	94.00
10/13/92	LCS	GC892101308-14	79.00
10/13/92	LCS DUP	GC892101308-14	106.00
10/08/92	LCS	GC692100712-29	109.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : gamma-BHC continued			
Type of Spike : Laboratory Control			
Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 102.0	Above acceptance :	0
Standard Deviation	: 10.07	Acceptance Criteria	32-127
Type of Spike : Matrix Spike			
09/05/92	06-DS-02 MS	GC192090216-13	97.00
09/05/92	06-DS-02 MSD	GC192090216-13	92.00
09/04/92	06-MW-01-02 MS	GC192090214-28	60.00
09/04/92	06-MW-01-02 MSD	GC192090214-28	60.00
09/18/92	01-SS-07-01 MS	GC192091712-15	121.00
09/18/92	01-SS-07-01 MSD	GC192091712-15	140.00
09/25/92	07-MW-03-02 MS	GC192092512-14	88.00
09/25/92	07-MW-03-02 MSD	GC192092512-14	41.00
09/27/92	04-DS-01 MS	GC492092612-14	81.00
09/27/92	04-DS-01 MSD	GC492092612-14	82.00
10/08/92	07-SS-01-01 MS	GC692100712-29	65.00
10/08/92	07-SS-01-01 MSD	GC692100712-29	48.00
08/25/92	10-MW-02-01 MS	GC892082412-14	83.00
08/25/92	10-MW-02-01 MSD	GC892082412-14	76.00
08/25/92	10-DS-01 MS	GC892082413-12	81.00
08/25/92	10-DS-01 MSD	GC892082413-12	88.00
08/26/92	06-DS-01 MS	GC892082413-12	86.00
08/26/92	06-DS-01 MSD	GC892082413-12	82.00
10/15/92	09-SS-01-01 MS	GC892101308-42	63.00
10/15/92	09-SS-01-01 MSD	GC892101308-42	66.00
10/13/92	10-SS-01-01 MS	GC692101212-32	94.00
10/13/92	10-SS-01-01 MSD	GC692101212-32	93.00
-----			
Number of Samples	: 22	Below acceptance :	0
Mean % Recovery	: 81.2	Above acceptance :	1
Standard Deviation	: 22.15	Acceptance Criteria	32-127
Method : SW8080			
Spiked Analyte : gamma-Chlordane			
Type of Spike : Laboratory Control			
09/05/92	LCS	GC192090216-13	106.00
09/05/92	LCS DUP	GC192090216-13	118.00
09/04/92	LCS	GC192090214-28	100.00
09/04/92	LCS DUP	GC192090214-28	106.00
09/17/92	LCS	GC192091712-15	116.00
09/17/92	LCS DUP	GC192091712-15	114.00
09/18/92	LCS	GC192091712-54	112.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8080			
Spiked Analyte : gamma-Chlordane continued			
Type of Spike : Laboratory Control			
09/18/92	LCS DUP	GC192091712-54	111.00
09/25/92	LCS	GC192092512-14	101.00
09/25/92	LCS DUP	GC192092512-14	106.00
10/14/92	LCS	GC192101412-7	99.00
10/14/92	LCS DUP	GC192101412-7	103.00
10/14/92	LCS	GC192101413-7	104.00
10/14/92	LCS DUP	GC192101413-7	108.00
09/26/92	LCS	GC492092612-14	116.00
09/27/92	LCS DUP	GC492092612-14	105.00
10/08/92	LCS DUP	GC692100712-29	103.00
10/13/92	LCS	GC692101212-32	132.00
10/13/92	LCS DUP	GC692101212-32	110.00
10/08/92	LCS	GC692100713-29	101.00
10/08/92	LCS DUP	GC692100713-29	106.00
08/31/92	LCS	GC892083112-6	94.00
08/31/92	LCS DUP	GC892083112-6	90.00
08/24/92	LCS	GC892082412-14	96.00
08/24/92	LCS DUP	GC892082412-14	103.00
08/25/92	LCS	GC892082413-12	103.00
08/25/92	LCS DUP	GC892082413-12	103.00
10/13/92	LCS	GC892101308-14	83.00
10/13/92	LCS DUP	GC892101308-14	107.00
10/08/92	LCS	GC692100712-29	100.00
-----			
Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 105.2	Above acceptance :	0
Standard Deviation	: 9.09	Acceptance Criteria	NS
-----			
Method : SW8240			
Spiked Analyte : 1,1,1-Trichloroethane			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	99.00
07/15/92	LCS DUP	450392071508470	104.00
07/21/92	LCS	450392072113280	89.00
07/21/92	LCS DUP	450392072113280	94.00
08/05/92	LCS	450392080507550	95.00
08/05/92	LCS DUP	450392080507550	91.00
08/06/92	LCS	450392080607230	90.00
08/06/92	LCS DUP	450392080607230	100.00
08/11/92	LCS	450392081107410	90.00
08/11/92	LCS DUP	450392081107410	85.00
08/12/92	LCS	450392081209230	107.00
08/12/92	LCS DUP	450392081209230	114.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,1,1-Trichloroethane continued			
Type of Spike : Laboratory Control			
08/13/92	LCS	450392081308360	91.00
08/13/92	LCS DUP	450392081308360	101.00
08/14/92	LCS	450392081408310	90.00
08/14/92	LCS DUP	450392081408310	84.00
08/17/92	LCS	450392081709090	88.00
08/17/92	LCS DUP	450392081709090	92.00
08/18/92	LCS	450392081808430	83.00
08/18/92	LCS DUP	450392081808430	85.00
08/20/92	LCS	450392082008590	91.00
08/20/92	LCS DUP	450392082008590	98.00
08/21/92	LCS	450392082107510	85.00
08/21/92	LCS DUP	450392082107510	102.00
08/27/92	LCS	450392082708330	77.00
08/27/92	LCS DUP	450392082708330	94.00
08/31/92	LCS	450392083108510	83.00
08/31/92	LCS DUP	450392083108510	83.00
09/03/92	LCS	450392090308420	85.00
09/03/92	LCS DUP	450392090308420	89.00
09/04/92	LCS	450392090408590	100.00
09/04/92	LCS DUP	450392090408590	100.00
09/09/92	LCS	450392090908420	93.00
09/09/92	LCS DUP	450392090908420	96.00
09/11/92	LCS	450392091108290	89.00
09/11/92	LCS DUP	450392091108290	84.00
09/15/92	LCS	450392091508530	85.00
09/15/92	LCS DUP	450392091508530	88.00
09/16/92	LCS	450392091608440	88.00
09/16/92	LCS DUP	450392091608440	103.00
07/22/92	LCS	450492072211010	113.00
07/22/92	LCS DUP	450492072211010	108.00
07/25/92	LCS	450492072513560	119.00
07/25/92	LCS DUP	450492072513560	116.00
07/26/92	LCS	450492072612450	114.00
07/26/92	LCS DUP	450492072612450	112.00
07/31/92	LCS	450492073111130	84.00
07/31/92	LCS DUP	450492073111130	83.00
08/13/92	LCS	450492081310530	88.00
08/13/92	LCS DUP	450492081310530	83.00
08/14/92	LCS	450492081410380	84.00
08/14/92	LCS DUP	450492081410380	85.00
10/12/92	LCS	450492101208290	102.00
10/12/92	LCS DUP	450492101208290	106.00
07/26/92	LCS	450192072609340	93.00
07/26/92	LCS DUP	450192072609340	95.00
07/29/92	LCS	450192072907480	90.00
07/29/92	LCS DUP	450192072907480	96.00
07/30/92	LCS	450192073007290	94.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8240

Spiked Analyte : 1,1,1-Trichloroethane continued

Type of Spike : Laboratory Control

07/30/92	LCS DUP	450192073007290	98.00
08/07/92	LCS	450192080707000	99.00
08/07/92	LCS DUP	450192080707000	99.00
08/20/92	LCS	450192082011220	95.00
08/20/92	LCS DUP	450192082011220	103.00
08/21/92	LCS	450192082108370	97.00
08/21/92	LCS DUP	450192082108370	92.00
08/24/92	LCS	450192082407320	88.00
08/24/92	LCS DUP	450192082407320	87.00
08/04/92	LCS	450292080407190	98.00
08/04/92	LCS DUP	450292080407190	94.00
08/19/92	LCS	450292081907450	98.00
08/19/92	LCS DUP	450292081907450	96.00
09/14/92	LCS	450292091407450	119.00
09/14/92	LCS DUP	450292091407450	98.00

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 94.7	Above acceptance :	0
Standard Deviation	: 9.51	Acceptance Criteria	52-162

Method : SW8240

Spiked Analyte : 1,1,2,2-Tetrachloroethane

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	109.00
07/15/92	LCS DUP	450392071508470	108.00
07/21/92	LCS	450392072113280	109.00
07/21/92	LCS DUP	450392072113280	104.00
08/05/92	LCS	450392080507550	104.00
08/05/92	LCS DUP	450392080507550	101.00
08/06/92	LCS	450392080607230	93.00
08/06/92	LCS DUP	450392080607230	109.00
08/11/92	LCS	450392081107410	108.00
08/11/92	LCS DUP	450392081107410	99.00
08/12/92	LCS	450392081209230	109.00
08/12/92	LCS DUP	450392081209230	107.00
08/13/92	LCS	450392081308360	104.00
08/13/92	LCS DUP	450392081308360	104.00
08/14/92	LCS	450392081408310	110.00
08/14/92	LCS DUP	450392081408310	109.00
08/17/92	LCS	450392081709090	110.00
08/17/92	LCS DUP	450392081709090	108.00
08/18/92	LCS	450392081808430	113.00
08/18/92	LCS DUP	450392081808430	107.00
08/20/92	LCS	450392082008590	117.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,1,2,2-Tetrachloroethane continued			
Type of Spike : Laboratory Control			
08/20/92	LCS DUP	450392082008590	114.00
08/21/92	LCS	450392082107510	113.00
08/21/92	LCS DUP	450392082107510	90.00
08/27/92	LCS	450392082708330	111.00
08/27/92	LCS DUP	450392082708330	110.00
08/31/92	LCS	450392083108510	112.00
08/31/92	LCS DUP	450392083108510	110.00
09/03/92	LCS	450392090308420	114.00
09/03/92	LCS DUP	450392090308420	114.00
09/04/92	LCS	450392090408590	124.00
09/04/92	LCS DUP	450392090408590	132.00
09/09/92	LCS	450392090908420	122.00
09/09/92	LCS DUP	450392090908420	112.00
09/11/92	LCS	450392091108290	115.00
09/11/92	LCS DUP	450392091108290	116.00
09/15/92	LCS	450392091508530	113.00
09/15/92	LCS DUP	450392091508530	103.00
09/16/92	LCS	450392091608440	117.00
09/16/92	LCS DUP	450392091608440	113.00
07/22/92	LCS	450492072211010	106.00
07/22/92	LCS DUP	450492072211010	105.00
07/25/92	LCS	450492072513560	118.00
07/25/92	LCS DUP	450492072513560	128.00
07/26/92	LCS	450492072612450	105.00
07/26/92	LCS DUP	450492072612450	97.00
07/31/92	LCS	450492073111130	116.00
07/31/92	LCS DUP	450492073111130	112.00
08/13/92	LCS	450492081310530	84.00
08/13/92	LCS DUP	450492081310530	77.00
08/14/92	LCS	450492081410380	89.00
08/14/92	LCS DUP	450492081410380	97.00
10/12/92	LCS	450492101208290	109.00
10/12/92	LCS DUP	450492101208290	104.00
07/26/92	LCS	450192072609340	109.00
07/26/92	LCS DUP	450192072609340	112.00
07/29/92	LCS	450192072907480	101.00
07/29/92	LCS DUP	450192072907480	90.00
07/30/92	LCS	450192073007290	108.00
07/30/92	LCS DUP	450192073007290	108.00
08/07/92	LCS	450192080707000	99.00
08/07/92	LCS DUP	450192080707000	113.00
08/20/92	LCS	450192082011220	89.00
08/20/92	LCS DUP	450192082011220	107.00
08/21/92	LCS	450192082108370	108.00
08/21/92	LCS DUP	450192082108370	112.00
08/24/92	LCS	450192082407320	101.00
08/24/92	LCS DUP	450192082407320	96.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,1,2,2-Tetrachloroethane continued			
Type of Spike : Laboratory Control			
08/04/92	LCS	450292080407190	85.00
08/04/92	LCS DUP	450292080407190	86.00
08/19/92	LCS	450292081907450	87.00
08/19/92	LCS DUP	450292081907450	71.00
09/14/92	LCS	450292091407450	131.00
09/14/92	LCS DUP	450292091407450	118.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 106.4	Above acceptance :	0
Standard Deviation	: 11.37	Acceptance Criteria	46-157
Method : SW8240			
Spiked Analyte : 1,1,2-Trichloroethane			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	104.00
07/15/92	LCS DUP	450392071508470	104.00
07/21/92	LCS	450392072113280	105.00
07/21/92	LCS DUP	450392072113280	98.00
08/05/92	LCS	450392080507550	103.00
08/05/92	LCS DUP	450392080507550	104.00
08/06/92	LCS	450392080607230	94.00
08/06/92	LCS DUP	450392080607230	103.00
08/11/92	LCS	450392081107410	110.00
08/11/92	LCS DUP	450392081107410	103.00
08/12/92	LCS	450392081209230	113.00
08/12/92	LCS DUP	450392081209230	112.00
08/13/92	LCS	450392081308360	112.00
08/13/92	LCS DUP	450392081308360	109.00
08/14/92	LCS	450392081408310	108.00
08/14/92	LCS DUP	450392081408310	108.00
08/17/92	LCS	450392081709090	113.00
08/17/92	LCS DUP	450392081709090	111.00
08/18/92	LCS	450392081808430	109.00
08/18/92	LCS DUP	450392081808430	106.00
08/20/92	LCS	450392082008590	114.00
08/20/92	LCS DUP	450392082008590	107.00
08/21/92	LCS	450392082107510	111.00
08/21/92	LCS DUP	450392082107510	100.00
08/27/92	LCS	450392082708330	111.00
08/27/92	LCS DUP	450392082708330	108.00
08/31/92	LCS	450392083108510	106.00
08/31/92	LCS DUP	450392083108510	101.00
09/03/92	LCS	450392090308420	110.00
09/03/92	LCS DUP	450392090308420	107.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,1,2-Trichloroethane continued			
Type of Spike : Laboratory Control			
09/04/92	LCS	450392090408590	112.00
09/04/92	LCS DUP	450392090408590	120.00
09/09/92	LCS	450392090908420	111.00
09/09/92	LCS DUP	450392090908420	108.00
09/11/92	LCS	450392091108290	106.00
09/11/92	LCS DUP	450392091108290	108.00
09/15/92	LCS	450392091508530	104.00
09/15/92	LCS DUP	450392091508530	102.00
09/16/92	LCS	450392091608440	105.00
09/16/92	LCS DUP	450392091608440	104.00
07/22/92	LCS	450492072211010	97.00
07/22/92	LCS DUP	450492072211010	99.00
07/25/92	LCS	450492072513560	107.00
07/25/92	LCS DUP	450492072513560	117.00
07/26/92	LCS	450492072612450	99.00
07/26/92	LCS DUP	450492072612450	95.00
07/31/92	LCS	450492073111130	106.00
07/31/92	LCS DUP	450492073111130	103.00
08/13/92	LCS	450492081310530	107.00
08/13/92	LCS DUP	450492081310530	96.00
08/14/92	LCS	450492081410380	96.00
08/14/92	LCS DUP	450492081410380	99.00
10/12/92	LCS	450492101208290	111.00
10/12/92	LCS DUP	450492101208290	113.00
07/26/92	LCS	450192072609340	96.00
07/26/92	LCS DUP	450192072609340	100.00
07/29/92	LCS	450192072907480	91.00
07/29/92	LCS DUP	450192072907480	98.00
07/30/92	LCS	450192073007290	95.00
07/30/92	LCS DUP	450192073007290	99.00
08/07/92	LCS	450192080707000	88.00
08/07/92	LCS DUP	450192080707000	83.00
08/20/92	LCS	450192082011220	91.00
08/20/92	LCS DUP	450192082011220	104.00
08/21/92	LCS	450192082108370	102.00
08/21/92	LCS DUP	450192082108370	102.00
08/24/92	LCS	450192082407320	97.00
08/24/92	LCS DUP	450192082407320	93.00
08/04/92	LCS	450292080407190	92.00
08/04/92	LCS DUP	450292080407190	96.00
08/19/92	LCS	450292081907450	109.00
08/19/92	LCS DUP	450292081907450	109.00
09/14/92	LCS	450292091407450	128.00
09/14/92	LCS DUP	450292091407450	118.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8240

Spiked Analyte : 1,1,2-Trichloroethane continued

Type of Spike : Laboratory Control

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 104.3	Above acceptance :	0
Standard Deviation	: 7.78	Acceptance Criteria	52-150

Method : SW8240

Spiked Analyte : 1,1-Dichloroethane

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	109.00
07/15/92	LCS DUP	450392071508470	111.00
07/21/92	LCS	450392072113280	115.00
07/21/92	LCS DUP	450392072113280	114.00
08/05/92	LCS	450392080507550	100.00
08/05/92	LCS DUP	450392080507550	104.00
08/06/92	LCS	450392080607230	97.00
08/06/92	LCS DUP	450392080607230	100.00
08/11/92	LCS	450392081107410	99.00
08/11/92	LCS DUP	450392081107410	98.00
08/12/92	LCS	450392081209230	115.00
08/12/92	LCS DUP	450392081209230	117.00
08/13/92	LCS	450392081308360	115.00
08/13/92	LCS DUP	450392081308360	101.00
08/14/92	LCS	450392081408310	100.00
08/14/92	LCS DUP	450392081408310	111.00
08/17/92	LCS	450392081709090	100.00
08/17/92	LCS DUP	450392081709090	106.00
08/18/92	LCS	450392081808430	99.00
08/18/92	LCS DUP	450392081808430	97.00
08/20/92	LCS	450392082008590	103.00
08/20/92	LCS DUP	450392082008590	107.00
08/21/92	LCS	450392082107510	111.00
08/21/92	LCS DUP	450392082107510	117.00
08/27/92	LCS	450392082708330	103.00
08/27/92	LCS DUP	450392082708330	112.00
08/31/92	LCS	450392083108510	95.00
08/31/92	LCS DUP	450392083108510	111.00
09/03/92	LCS	450392090308420	106.00
09/03/92	LCS DUP	450392090308420	110.00
09/04/92	LCS	450392090408590	120.00
09/04/92	LCS DUP	450392090408590	120.00
09/09/92	LCS	450392090908420	110.00
09/09/92	LCS DUP	450392090908420	110.00
09/11/92	LCS	450392091108290	102.00
09/11/92	LCS DUP	450392091108290	102.00
09/15/92	LCS	450392091508530	104.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,1-Dichloroethane continued			
Type of Spike : Laboratory Control			
09/15/92	LCS DUP	450392091508530	104.00
09/16/92	LCS	450392091608440	115.00
09/16/92	LCS DUP	450392091608440	105.00
07/22/92	LCS	450492072211010	118.00
07/22/92	LCS DUP	450492072211010	109.00
07/25/92	LCS	450492072513560	128.00
07/25/92	LCS DUP	450492072513560	118.00
07/26/92	LCS	450492072612450	114.00
07/26/92	LCS DUP	450492072612450	124.00
07/31/92	LCS	450492073111130	101.00
07/31/92	LCS DUP	450492073111130	99.00
08/13/92	LCS	450492081310530	109.00
08/13/92	LCS DUP	450492081310530	101.00
08/14/92	LCS	450492081410380	103.00
08/14/92	LCS DUP	450492081410380	102.00
10/12/92	LCS	450492101208290	120.00
10/12/92	LCS DUP	450492101208290	116.00
07/26/92	LCS	450192072609340	114.00
07/26/92	LCS DUP	450192072609340	115.00
07/29/92	LCS	450192072907480	112.00
07/29/92	LCS DUP	450192072907480	119.00
07/30/92	LCS	450192073007290	113.00
07/30/92	LCS DUP	450192073007290	115.00
08/07/92	LCS	450192080707000	85.00
08/07/92	LCS DUP	450192080707000	74.00
08/20/92	LCS	450192082011220	100.00
08/20/92	LCS DUP	450192082011220	106.00
08/21/92	LCS	450192082108370	101.00
08/21/92	LCS DUP	450192082108370	100.00
08/24/92	LCS	450192082407320	98.00
08/24/92	LCS DUP	450192082407320	97.00
08/04/92	LCS	450292080407190	98.00
08/04/92	LCS DUP	450292080407190	98.00
08/19/92	LCS	450292081907450	106.00
08/19/92	LCS DUP	450292081907450	97.00
09/14/92	LCS	450292091407450	113.00
09/14/92	LCS DUP	450292091407450	107.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 106.8	Above acceptance :	0
Standard Deviation	: 8.98	Acceptance Criteria	59-155

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,1-Dichloroethene			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	122.00
07/15/92	LCS DUP	450392071508470	124.00
07/21/92	LCS	450392072113280	103.00
07/21/92	LCS DUP	450392072113280	124.00
08/05/92	LCS	450392080507550	89.00
08/05/92	LCS DUP	450392080507550	84.00
08/06/92	LCS	450392080607230	97.00
08/06/92	LCS DUP	450392080607230	87.00
08/11/92	LCS	450392081107410	88.00
08/11/92	LCS DUP	450392081107410	90.00
08/12/92	LCS	450392081209230	118.00
08/12/92	LCS DUP	450392081209230	118.00
08/13/92	LCS	450392081308360	98.00
08/13/92	LCS DUP	450392081308360	87.00
08/14/92	LCS	450392081408310	90.00
08/14/92	LCS DUP	450392081408310	96.00
08/17/92	LCS	450392081709090	90.00
08/17/92	LCS DUP	450392081709090	98.00
08/18/92	LCS	450392081808430	90.00
08/18/92	LCS DUP	450392081808430	95.00
08/20/92	LCS	450392082008590	105.00
08/20/92	LCS DUP	450392082008590	111.00
08/21/92	LCS	450392082107510	104.00
08/21/92	LCS DUP	450392082107510	108.00
08/27/92	LCS	450392082708330	79.00
08/27/92	LCS DUP	450392082708330	84.00
08/31/92	LCS	450392083108510	83.00
08/31/92	LCS DUP	450392083108510	85.00
09/03/92	LCS	450392090308420	106.00
09/03/92	LCS DUP	450392090308420	97.00
09/04/92	LCS	450392090408590	118.00
09/04/92	LCS DUP	450392090408590	105.00
09/09/92	LCS	450392090908420	107.00
09/09/92	LCS DUP	450392090908420	109.00
09/11/92	LCS	450392091108290	114.00
09/11/92	LCS DUP	450392091108290	104.00
09/15/92	LCS	450392091508530	87.00
09/15/92	LCS DUP	450392091508530	87.00
09/16/92	LCS	450392091608440	103.00
09/16/92	LCS DUP	450392091608440	86.00
07/22/92	LCS	450492072211010	104.00
07/22/92	LCS DUP	450492072211010	102.00
07/25/92	LCS	450492072513560	127.00
07/25/92	LCS DUP	450492072513560	108.00
07/26/92	LCS	450492072612450	111.00
07/26/92	LCS DUP	450492072612450	120.00
07/31/92	LCS	450492073111130	100.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,1-Dichloroethene continued			
Type of Spike : Laboratory Control			
07/31/92	LCS DUP	450492073111130	96.00
08/13/92	LCS	450492081310530	102.00
08/13/92	LCS DUP	450492081310530	90.00
08/14/92	LCS	450492081410380	104.00
08/14/92	LCS DUP	450492081410380	109.00
10/12/92	LCS	450492101208290	98.00
10/12/92	LCS DUP	450492101208290	104.00
07/26/92	LCS	450192072609340	109.00
07/26/92	LCS DUP	450192072609340	111.00
07/29/92	LCS	450192072907480	106.00
07/29/92	LCS DUP	450192072907480	108.00
07/30/92	LCS	450192073007290	112.00
07/30/92	LCS DUP	450192073007290	116.00
08/07/92	LCS	450192080707000	75.00
08/07/92	LCS DUP	450192080707000	68.00
08/20/92	LCS	450192082011220	96.00
08/20/92	LCS DUP	450192082011220	101.00
08/21/92	LCS	450192082108370	95.00
08/21/92	LCS DUP	450192082108370	94.00
08/24/92	LCS	450192082407320	93.00
08/24/92	LCS DUP	450192082407320	93.00
08/04/92	LCS	450292080407190	81.00
08/04/92	LCS DUP	450292080407190	98.00
08/19/92	LCS	450292081907450	93.00
08/19/92	LCS DUP	450292081907450	84.00
09/14/92	LCS	450292091407450	109.00
09/14/92	LCS DUP	450292091407450	123.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 100.1	Above acceptance :	0
Standard Deviation	: 12.66	Acceptance Criteria	D-234

Type of Spike : Matrix Spike

09/11/92	10-SS-02-01 MS	450392091108290	85.00
09/11/92	10-SS-02-01 MSD	450392091108290	98.00
09/16/92	01-SD-02-01 MS	450392091608440	91.00
09/16/92	01-SD-02-01 MSD	450392091608440	94.00
08/11/92	06-SD-01-01 MS	450492081108340	95.00
08/11/92	06-SD-01-01 MSD	450492081108340	100.00
08/13/92	05-MW-04-02 MS	450492081310530	132.00
08/13/92	05-MW-04-02 MSD	450492081310530	124.00
08/14/92	01-SS-07-01 MS	450492081410380	112.00
08/14/92	01-SS-07-01 MSD	450492081410380	112.00
07/27/92	10-DS-01 MS	450192072609340	121.00
07/27/92	10-DS-01 MSD	450192072609340	123.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8240

Spiked Analyte : 1,1-Dichloroethene continued

Type of Spike : Matrix Spike

07/27/92	06-DS-01 MS	450192072609340	131.00
07/27/92	06-DS-01 MSD	450192072609340	119.00
07/29/92	06-DS-02 MS	450192072907480	96.00
07/29/92	06-DS-02 MSD	450192072907480	90.00
07/30/92	05-DS-01 MS	450192073007290	115.00
07/30/92	05-DS-01 MSD	450192073007290	116.00
08/07/92	05-SS-15-01 MS	450192080707000	73.00
08/07/92	05-SS-15-01 MSD	450192080707000	76.00
08/20/92	04-DS-01 MS	450192082011220	85.00
08/20/92	04-DS-01 MSD	450192082011220	83.00
08/24/92	04-SS-02-01 MS	450192082407320	99.00
08/24/92	04-SS-02-01 MSD	450192082407320	90.00
08/19/92	07-MW-03-02 MS	450292081907450	81.00
08/19/92	07-MW-03-02 MSD	450292081907450	81.00
08/21/92	07-DS-01 MS	450292082107270	77.00
08/21/92	07-DS-01 MSD	450292082107270	67.00
09/14/92	10-SS-01-01 MS	450292091407450	111.00
09/14/92	10-SS-01-01 MSD	450292091407450	105.00

Number of Samples : 30  
Mean % Recovery : 99.4  
Standard Deviation : 18.14

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria D-234

Method : SW8240

Spiked Analyte : 1,2-Dichloroethane

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	113.00
07/15/92	LCS DUP	450392071508470	116.00
07/21/92	LCS	450392072113280	103.00
07/21/92	LCS DUP	450392072113280	102.00
08/05/92	LCS	450392080507550	105.00
08/05/92	LCS DUP	450392080507550	98.00
08/06/92	LCS	450392080607230	96.00
08/06/92	LCS DUP	450392080607230	90.00
08/11/92	LCS	450392081107410	96.00
08/11/92	LCS DUP	450392081107410	94.00
08/12/92	LCS	450392081209230	107.00
08/12/92	LCS DUP	450392081209230	114.00
08/13/92	LCS	450392081308360	102.00
08/13/92	LCS DUP	450392081308360	98.00
08/14/92	LCS	450392081408310	94.00
08/14/92	LCS DUP	450392081408310	101.00
08/17/92	LCS	450392081709090	94.00
08/17/92	LCS DUP	450392081709090	96.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,2-Dichloroethane continued			
Type of Spike : Laboratory Control			
08/18/92	LCS	450392081808430	93.00
08/18/92	LCS DUP	450392081808430	93.00
08/20/92	LCS	450392082008590	120.00
08/20/92	LCS DUP	450392082008590	108.00
08/21/92	LCS	450392082107510	105.00
08/21/92	LCS DUP	450392082107510	113.00
08/27/92	LCS	450392082708330	101.00
08/27/92	LCS DUP	450392082708330	105.00
08/31/92	LCS	450392083108510	103.00
08/31/92	LCS DUP	450392083108510	96.00
09/03/92	LCS	450392090308420	104.00
09/03/92	LCS DUP	450392090308420	105.00
09/04/92	LCS	450392090408590	120.00
09/04/92	LCS DUP	450392090408590	125.00
09/09/92	LCS	450392090908420	109.00
09/09/92	LCS DUP	450392090908420	111.00
09/11/92	LCS	450392091108290	101.00
09/11/92	LCS DUP	450392091108290	100.00
09/15/92	LCS	450392091508530	98.00
09/15/92	LCS DUP	450392091508530	96.00
09/16/92	LCS	450392091608440	92.00
09/16/92	LCS DUP	450392091608440	92.00
07/22/92	LCS	450492072211010	115.00
07/22/92	LCS DUP	450492072211010	110.00
07/25/92	LCS	450492072513560	122.00
07/25/92	LCS DUP	450492072513560	107.00
07/26/92	LCS	450492072612450	102.00
07/26/92	LCS DUP	450492072612450	106.00
07/31/92	LCS	450492073111130	99.00
07/31/92	LCS DUP	450492073111130	97.00
08/13/92	LCS	450492081310530	97.00
08/13/92	LCS DUP	450492081310530	91.00
08/14/92	LCS	450492081410380	84.00
08/14/92	LCS DUP	450492081410380	85.00
10/12/92	LCS	450492101208290	101.00
10/12/92	LCS DUP	450492101208290	101.00
07/26/92	LCS	450192072609340	110.00
07/26/92	LCS DUP	450192072609340	112.00
07/29/92	LCS	450192072907480	104.00
07/29/92	LCS DUP	450192072907480	110.00
07/30/92	LCS	450192073007290	103.00
07/30/92	LCS DUP	450192073007290	107.00
08/07/92	LCS	450192080707000	103.00
08/07/92	LCS DUP	450192080707000	89.00
08/20/92	LCS	450192082011220	100.00
08/20/92	LCS DUP	450192082011220	111.00
08/21/92	LCS	450192082108370	102.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,2-Dichloroethane continued			
Type of Spike : Laboratory Control			
08/21/92	LCS DUP	450192082108370	103.00
08/24/92	LCS	450192082407320	97.00
08/24/92	LCS DUP	450192082407320	97.00
08/04/92	LCS	450292080407190	107.00
08/04/92	LCS DUP	450292080407190	111.00
08/19/92	LCS	450292081907450	108.00
08/19/92	LCS DUP	450292081907450	104.00
09/14/92	LCS	450292091407450	131.00
09/14/92	LCS DUP	450292091407450	121.00

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 103.5	Above acceptance :	0
Standard Deviation	: 9.18	Acceptance Criteria	49-155

Method : SW8240  
Spiked Analyte : 1,2-Dichloroethane-d4

Type of Spike : Surrogate

07/15/92	09-MW-04-02	450392071508470	107.00
07/21/92	09-MW-01-02	450392072113280	92.00
07/21/92	10-MW-03-01	450392072113280	87.00
08/05/92	05-MW-02-02	450392080507550	92.00
08/06/92	05-SS-06-01	450392080607230	100.00
08/06/92	05-SS-03-01	450392080607230	101.00
08/06/92	05-SS-01-01	450392080607230	94.00
08/06/92	05-SS-04-01	450392080607230	101.00
08/06/92	05-SS-02-01	450392080607230	91.00
08/11/92	05-SS-13-01	450392081107410	94.00
08/11/92	05-DS-03	450392081107410	95.00
08/11/92	05-SS-12-01	450392081107410	90.00
08/11/92	06-SS-01-01	450392081107410	91.00
08/11/92	06-SS-02-01	450392081107410	90.00
08/12/92	05-SS-14-01	450392081107410	90.00
08/12/92	06-SS-03-01	450392081209230	92.00
08/12/92	06-SD-02-01	450392081209230	89.00
08/12/92	05-SD-02-01	450392081209230	92.00
08/12/92	05-SS-10-01	450392081209230	89.00
08/12/92	05-MW-06-02	450392081209230	98.00
08/12/92	05-SS-05-01	450392081209230	94.00
08/12/92	05-SS-08-01	450392081209230	93.00
08/12/92	05-SD-01-01	450392081209230	82.00
08/12/92	05-DS-04	450392081209230	93.00
08/13/92	01-SS-10-01	450392081308360	100.00
08/13/92	01-MW-01-02	450392081308360	96.00
08/13/92	01-SS-01-01	450392081308360	93.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,2-Dichloroethane-d4 continued			
Type of Spike : Surrogate			
08/13/92	01-SS-02-01	450392081308360	96.00
08/13/92	01-SS-05-01	450392081308360	96.00
08/13/92	01-SS-06-01	450392081308360	90.00
08/14/92	01-SS-08-01	450392081408310	99.00
08/14/92	01-SS-09-01	450392081408310	92.00
08/17/92	01-SB-01-02	450392081709090	97.00
08/17/92	01-MW-02-02	450392081709090	96.00
08/17/92	01-SB-01-03	450392081709090	92.00
08/18/92	07-MW-04-02	450392081808430	90.00
08/20/92	07-SB-01-01	450392082008590	106.00
08/20/92	07-SB-03-01	450392082008590	103.00
08/20/92	07-MW-02-02	450392082008590	109.00
08/21/92	07-SB-02-01	450392082107510	107.00
08/21/92	07-MW-01-02	450392082107510	102.00
08/27/92	04-MW-01-02	450392082708330	103.00
08/31/92	04-MW-04-02	450392083108510	102.00
09/03/92	12-MW-01-02	450392090308420	105.00
09/03/92	12-MW-02-02	450392090308420	103.00
09/09/92	07-SS-04-01	450392090908420	106.00
09/09/92	07-SS-05-01	450392090908420	106.00
09/09/92	07-SB-02-01	450392090908420	108.00
09/11/92	10-SS-02-01	450392091108290	95.00
09/11/92	10-SS-02-01 MS	450392091108290	93.00
09/11/92	10-SS-02-01 MSD	450392091108290	101.00
09/11/92	10-SS-03-01	450392091108290	100.00
09/11/92	10-SS-04-01	450392091108290	98.00
09/11/92	10-SS-05-01	450392091108290	98.00
09/11/92	10-SS-06-01	450392091108290	97.00
09/11/92	09-SS-02-01	450392091108290	97.00
09/15/92	10-DS-02	450392091508530	94.00
09/15/92	09-SS-03-01	450392091508530	90.00
09/15/92	01-SD-02-01	450392091508530	91.00
09/15/92	01-DS-03	450392091508530	91.00
09/15/92	07-SS-03-01	450392091508530	91.00
09/16/92	01-SD-02-01 MS	450392091608440	93.00
09/16/92	01-SD-02-01 MSD	450392091608440	93.00
09/16/92	01-DS-01	450392091608440	96.00
09/16/92	01-SD-01-01	450392091608440	90.00
09/16/92	07-SS-02-01	450392091608440	92.00
07/22/92	09-MW-02-02	450492072211010	100.00
07/22/92	10-MW-02-01	450492072211010	91.00
07/22/92	10-SB-03-01	450492072211010	96.00
07/22/92	10-SB-03-02	450492072211010	96.00
07/22/92	10-SB-03-03	450492072211010	98.00
07/25/92	10-SB-02-01	450492072513560	120.00
07/26/92	06-MW-03-02	450492072513560	111.00
07/26/92	10-MW-01-01	450492072513560	100.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,2-Dichloroethane-d4 continued			
Type of Spike : Surrogate			
07/26/92	06-MW-04-02	450492072612450	115.00
07/26/92	10-SB-02-02	450492072612450	108.00
07/31/92	05-SB-01-01	450492073111130	102.00
07/31/92	05-MW-01-02	450492073111130	111.00
07/31/92	05-MW-03-02	450492073111130	103.00
08/11/92	06-SD-01-01	450492081108340	86.00
08/11/92	06-SD-01-01 MS	450492081108340	95.00
08/11/92	06-SD-01-01 MSD	450492081108340	96.00
08/13/92	05-MW-04-02	450492081310530	87.00
08/13/92	05-MW-04-02 MS	450492081310530	89.00
08/13/92	05-MW-04-02 MSD	450492081310530	90.00
08/13/92	05-SS-09-01	450492081310530	89.00
08/13/92	11-SS-01-01	450492081310530	80.00
08/13/92	11-DS-01	450492081310530	83.00
08/13/92	05-SS-11-01	450492081310530	81.00
08/14/92	05-MW-05-02	450492081310530	79.00
08/14/92	05-SS-07-01	450492081410380	84.00
08/14/92	01-SS-07-01	450492081410380	80.00
08/14/92	01-SS-07-01 MS	450492081410380	81.00
08/14/92	01-SS-07-01 MSD	450492081410380	78.00
08/14/92	01-DS-02	450492081410380	81.00
08/14/92	01-SS-03-01	450492081410380	83.00
08/14/92	01-SS-04-01	450492081410380	84.00
10/13/92	09-SS-01-01	450492101208290	93.00
07/26/92	10-DS-01	450192072609340	101.00
07/27/92	10-DS-01 MS	450192072609340	101.00
07/27/92	10-DS-01 MSD	450192072609340	102.00
07/27/92	06-DS-01	450192072609340	100.00
07/27/92	06-DS-01 MS	450192072609340	103.00
07/27/92	06-DS-01 MSD	450192072609340	101.00
07/27/92	06-SB-02-01	450192072609340	101.00
07/27/92	06-SB-02-02	450192072609340	101.00
07/27/92	10-SB-01-01	450192072609340	100.00
07/27/92	10-SB-01-02	450192072609340	100.00
07/29/92	06-DS-02	450192072907480	97.00
07/29/92	06-DS-02 MS	450192072907480	97.00
07/29/92	06-DS-02 MSD	450192072907480	101.00
07/29/92	06-MW-02-02	450192072907480	98.00
07/29/92	06-SB-01-01	450192072907480	96.00
07/29/92	11-SB-01-02	450192072907480	98.00
07/29/92	11-SB-01-01	450192072907480	97.00
07/29/92	06-SB-01-02	450192072907480	101.00
07/29/92	06-MW-01-02	450192072907480	97.00
07/29/92	06-SS-04-01	450192072907480	96.00
07/29/92	06-SS-05-01	450192072907480	96.00
07/29/92	05-DS-02	450192072907480	96.00
07/30/92	05-SB-01-02	450192072907480	96.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,2-Dichloroethane-d4 continued			
Type of Spike : Surrogate			
07/30/92	05-SB-01-03	450192072907480	94.00
07/30/92	05-SB-03-01	450192072907480	96.00
07/30/92	06-SS-06-01	450192073007290	98.00
07/30/92	05-DS-01	450192073007290	99.00
07/30/92	05-DS-01 MS	450192073007290	101.00
07/30/92	05-DS-01 MSD	450192073007290	102.00
07/30/92	05-SB-03-02	450192073007290	98.00
08/07/92	05-SS-15-01	450192080707000	84.00
08/07/92	05-SS-15-01 MS	450192080707000	86.00
08/07/92	05-SS-15-01 MSD	450192080707000	87.00
08/20/92	04-DS-01	450192082011220	97.00
08/20/92	04-DS-01 MS	450192082011220	103.00
08/20/92	04-DS-01 MSD	450192082011220	102.00
08/21/92	09-MW-06-02	450192082011220	101.00
08/21/92	09-DS-01	450192082011220	101.00
08/21/92	04-MW-02-02	450192082011220	100.00
08/21/92	09-MW-03-02	450192082011220	96.00
08/21/92	04-MW-03-02	450192082108370	96.00
08/21/92	09-MW-05-02	450192082108370	93.00
08/21/92	04-SS-01-01	450192082108370	95.00
08/24/92	04-SS-02-01	450192082407320	90.00
08/24/92	04-SS-02-01 MS	450192082407320	92.00
08/24/92	04-SS-02-01 MSD	450192082407320	91.00
08/24/92	04-SS-03-01	450192082407320	91.00
08/24/92	04-SD-01-01	450192082407320	91.00
08/24/92	04-SD-02-01	450192082407320	89.00
08/24/92	04-SD-03-01	450192082407320	91.00
08/24/92	04-SD-04-01	450192082407320	90.00
08/04/92	05-SB-02-02	450292080407190	112.00
08/04/92	05-SB-02-03	450292080407190	107.00
08/04/92	05-SB-02-04	450292080407190	102.00
08/04/92	05-SB-02-01	450292080407190	114.00
08/19/92	01-SB-02-01	450292081907450	100.00
08/19/92	01-SB-02-02	450292081907450	101.00
08/19/92	07-MW-03-02	450292081907450	95.00
08/19/92	07-MW-03-02 MS	450292081907450	101.00
08/19/92	07-MW-03-02 MSD	450292081907450	94.00
08/19/92	01-SB-01-01	450292081907450	101.00
08/19/92	05-MW-04-02	450292081907450	101.00
08/19/92	01-SB-02-03	450292081907450	70.00
08/21/92	07-DS-01	450292082107270	94.00
08/21/92	07-DS-01 MS	450292082107270	103.00
08/21/92	07-DS-01 MSD	450292082107270	103.00
09/14/92	10-SS-01-01	450292091407450	94.00
09/14/92	10-SS-01-01 MS	450292091407450	94.00
09/14/92	10-SS-01-01 MSD	450292091407450	92.00
09/14/92	07-SS-01-01	450292091407450	101.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,2-Dichloroethane-d4 continued			
Type of Spike : Surrogate			
09/14/92	07-S0-01-01	450292091407450	105.00
09/14/92	07-DS-03	450292091407450	105.00
09/14/92	07-DS-02	450292091407450	102.00
-----			
Number of Samples		: 171	Below acceptance : 0
Mean % Recovery		: 96.1	Above acceptance : 0
Standard Deviation		: 7.54	Acceptance Criteria 70-121
Type of Spike : Surrogate - Blank Sample			
07/15/92	METHOD BLANK	450392071508470	110.00
07/21/92	METHOD BLANK	450392072113280	96.00
08/05/92	METHOD BLANK	450392080507550	94.00
08/06/92	METHOD BLANK	450392080607230	97.00
08/11/92	METHOD BLANK	450392081107410	93.00
08/12/92	METHOD BLANK	450392081209230	95.00
08/13/92	METHOD BLANK	450392081308360	98.00
08/14/92	METHOD BLANK	450392081408310	96.00
08/17/92	METHOD BLANK	450392081709090	90.00
08/18/92	METHOD BLANK	450392081808430	93.00
08/20/92	METHOD BLANK	450392082008590	102.00
08/21/92	METHOD BLANK	450392082107510	108.00
08/27/92	METHOD BLANK	450392082708330	101.00
08/31/92	METHOD BLANK	450392083108510	99.00
09/03/92	METHOD BLANK	450392090308420	107.00
09/04/92	METHOD BLANK	450392090408590	110.00
09/09/92	METHOD BLANK	450392090908420	107.00
09/11/92	METHOD BLANK	450392091108290	100.00
09/15/92	METHOD BLANK	450392091508530	101.00
09/16/92	METHOD BLANK	450392091608440	97.00
07/22/92	METHOD BLANK	450492072211010	103.00
07/25/92	METHOD BLANK	450492072513560	113.00
07/26/92	METHOD BLANK	450492072612450	114.00
07/31/92	METHOD BLANK	450492073111130	102.00
08/13/92	METHOD BLANK	450492081310530	91.00
08/14/92	METHOD BLANK	450492081410380	92.00
10/12/92	METHOD BLANK	450492101208290	87.00
07/26/92	METHOD BLANK	450192072609340	99.00
07/29/92	METHOD BLANK	450192072907480	97.00
07/30/92	METHOD BLANK	450192073007290	96.00
08/07/92	METHOD BLANK	450192080707000	102.00
08/20/92	METHOD BLANK	450192082011220	98.00
08/21/92	METHOD BLANK	450192082108370	97.00
08/24/92	METHOD BLANK	450192082407320	94.00
08/04/92	METHOD BLANK	450292080407190	113.00
08/19/92	METHOD BLANK	450292081907450	94.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,2-Dichloroethane-d4 continued			
Type of Spike : Surrogate - Blank Sample			
09/14/92	METHOD BLANK	450292091407450	106.00
-----			
Number of Samples	: 37		Below acceptance : 0
Mean % Recovery	: 99.8		Above acceptance : 0
Standard Deviation	: 6.86		Acceptance Criteria 70-121
Type of Spike : Surrogate - Laboratory Control			
07/15/92	LCS	450392071508470	104.00
07/15/92	LCS DUP	450392071508470	105.00
07/21/92	LCS	450392072113280	98.00
07/21/92	LCS DUP	450392072113280	95.00
08/05/92	LCS	450392080507550	100.00
08/05/92	LCS DUP	450392080507550	92.00
08/06/92	LCS	450392080607230	97.00
08/06/92	LCS DUP	450392080607230	95.00
08/11/92	LCS	450392081107410	92.00
08/11/92	LCS DUP	450392081107410	89.00
08/12/92	LCS	450392081209230	92.00
08/12/92	LCS DUP	450392081209230	94.00
08/13/92	LCS	450392081308360	96.00
08/13/92	LCS DUP	450392081308360	90.00
08/14/92	LCS	450392081408310	87.00
08/14/92	LCS DUP	450392081408310	99.00
08/17/92	LCS	450392081709090	90.00
08/17/92	LCS DUP	450392081709090	93.00
08/18/92	LCS	450392081808430	89.00
08/18/92	LCS DUP	450392081808430	90.00
08/20/92	LCS	450392082008590	106.00
08/20/92	LCS DUP	450392082008590	103.00
08/21/92	LCS	450392082107510	109.00
08/21/92	LCS DUP	450392082107510	104.00
08/27/92	LCS	450392082708330	96.00
08/27/92	LCS DUP	450392082708330	103.00
08/31/92	LCS	450392083108510	99.00
08/31/92	LCS DUP	450392083108510	100.00
09/03/92	LCS	450392090308420	100.00
09/03/92	LCS DUP	450392090308420	102.00
09/04/92	LCS	450392090408590	105.00
09/04/92	LCS DUP	450392090408590	103.00
09/09/92	LCS	450392090908420	103.00
09/09/92	LCS DUP	450392090908420	105.00
09/11/92	LCS	450392091108290	97.00
09/11/92	LCS DUP	450392091108290	95.00
09/15/92	LCS	450392091508530	101.00
09/15/92	LCS DUP	450392091508530	100.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,2-Dichloroethane-d4 continued			
Type of Spike : Surrogate - Laboratory Control			
09/16/92	LCS	450392091608440	96.00
09/16/92	LCS DUP	450392091608440	96.00
07/22/92	LCS	450492072211010	104.00
07/22/92	LCS DUP	450492072211010	103.00
07/25/92	LCS	450492072513560	117.00
07/25/92	LCS DUP	450492072513560	106.00
07/26/92	LCS	450492072612450	110.00
07/26/92	LCS DUP	450492072612450	112.00
07/31/92	LCS	450492073111130	100.00
07/31/92	LCS DUP	450492073111130	97.00
08/13/92	LCS	450492081310530	89.00
08/13/92	LCS DUP	450492081310530	90.00
08/14/92	LCS	450492081410380	89.00
08/14/92	LCS DUP	450492081410380	88.00
10/12/92	LCS	450492101208290	88.00
10/12/92	LCS DUP	450492101208290	88.00
07/26/92	LCS	450192072609340	101.00
07/26/92	LCS DUP	450192072609340	99.00
07/29/92	LCS	450192072907480	96.00
07/29/92	LCS DUP	450192072907480	98.00
07/30/92	LCS	450192073007290	95.00
07/30/92	LCS DUP	450192073007290	99.00
08/07/92	LCS	450192080707000	97.00
08/07/92	LCS DUP	450192080707000	90.00
08/20/92	LCS	450192082011220	94.00
08/20/92	LCS DUP	450192082011220	101.00
08/21/92	LCS	450192082108370	95.00
08/21/92	LCS DUP	450192082108370	99.00
08/24/92	LCS	450192082407320	93.00
08/24/92	LCS DUP	450192082407320	93.00
08/04/92	LCS	450292080407190	113.00
08/04/92	LCS DUP	450292080407190	113.00
08/19/92	LCS	450292081907450	96.00
08/19/92	LCS DUP	450292081907450	99.00
09/14/92	LCS	450292091407450	113.00
09/14/92	LCS DUP	450292091407450	109.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 98.4	Above acceptance :	0
Standard Deviation	: 6.96	Acceptance Criteria	70-121

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,2-Dichloropropane			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	101.00
07/15/92	LCS DUP	450392071508470	104.00
07/21/92	LCS	450392072113280	106.00
07/21/92	LCS DUP	450392072113280	95.00
08/05/92	LCS	450392080507550	95.00
08/05/92	LCS DUP	450392080507550	101.00
08/06/92	LCS	450392080607230	99.00
08/06/92	LCS DUP	450392080607230	96.00
08/11/92	LCS	450392081107410	113.00
08/11/92	LCS DUP	450392081107410	109.00
08/12/92	LCS	450392081209230	109.00
08/12/92	LCS DUP	450392081209230	106.00
08/13/92	LCS	450392081308360	105.00
08/13/92	LCS DUP	450392081308360	104.00
08/14/92	LCS	450392081408310	106.00
08/14/92	LCS DUP	450392081408310	96.00
08/17/92	LCS	450392081709090	104.00
08/17/92	LCS DUP	450392081709090	104.00
08/18/92	LCS	450392081808430	104.00
08/18/92	LCS DUP	450392081808430	99.00
08/20/92	LCS	450392082008590	90.00
08/20/92	LCS DUP	450392082008590	92.00
08/21/92	LCS	450392082107510	103.00
08/21/92	LCS DUP	450392082107510	104.00
08/27/92	LCS	450392082708330	102.00
08/27/92	LCS DUP	450392082708330	97.00
08/31/92	LCS	450392083108510	90.00
08/31/92	LCS DUP	450392083108510	106.00
09/03/92	LCS	450392090308420	101.00
09/03/92	LCS DUP	450392090308420	103.00
09/04/92	LCS	450392090408590	113.00
09/04/92	LCS DUP	450392090408590	122.00
09/09/92	LCS	450392090908420	99.00
09/09/92	LCS DUP	450392090908420	94.00
09/11/92	LCS	450392091108290	113.00
09/11/92	LCS DUP	450392091108290	106.00
09/15/92	LCS	450392091508530	106.00
09/15/92	LCS DUP	450392091508530	113.00
09/16/92	LCS	450392091608440	113.00
09/16/92	LCS DUP	450392091608440	109.00
07/22/92	LCS	450492072211010	96.00
07/22/92	LCS DUP	450492072211010	94.00
07/25/92	LCS	450492072513560	110.00
07/25/92	LCS DUP	450492072513560	116.00
07/26/92	LCS	450492072612450	101.00
07/26/92	LCS DUP	450492072612450	103.00
07/31/92	LCS	450492073111130	111.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,2-Dichloropropane continued			
Type of Spike : Laboratory Control			
07/31/92	LCS DUP	450492073111130	110.00
08/13/92	LCS	450492081310530	97.00
08/13/92	LCS DUP	450492081310530	90.00
08/14/92	LCS	450492081410380	88.00
08/14/92	LCS DUP	450492081410380	95.00
10/12/92	LCS	450492101208290	99.00
10/12/92	LCS DUP	450492101208290	96.00
07/26/92	LCS	450192072609340	95.00
07/26/92	LCS DUP	450192072609340	97.00
07/29/92	LCS	450192072907480	95.00
07/29/92	LCS DUP	450192072907480	100.00
07/30/92	LCS	450192073007290	98.00
07/30/92	LCS DUP	450192073007290	101.00
08/07/92	LCS	450192080707000	71.00
08/07/92	LCS DUP	450192080707000	69.00
08/20/92	LCS	450192082011220	90.00
08/20/92	LCS DUP	450192082011220	94.00
08/21/92	LCS	450192082108370	94.00
08/21/92	LCS DUP	450192082108370	90.00
08/24/92	LCS	450192082407320	91.00
08/24/92	LCS DUP	450192082407320	86.00
08/04/92	LCS	450292080407190	77.00
08/04/92	LCS DUP	450292080407190	86.00
08/19/92	LCS	450292081907450	107.00
08/19/92	LCS DUP	450292081907450	98.00
09/14/92	LCS	450292091407450	116.00
09/14/92	LCS DUP	450292091407450	114.00

Number of Samples : 74  
Mean % Recovery : 100.1  
Standard Deviation : 9.73

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria D-210

Method : SW8240  
Spiked Analyte : 1,4-Bromofluorobenzene

Type of Spike : Surrogate

07/15/92	09-MW-04-02	450392071508470	74.00
07/21/92	09-MW-01-02	450392072113280	75.00
07/21/92	10-MW-03-01	450392072113280	78.00
08/05/92	05-MW-02-02	450392080507550	79.00
08/06/92	05-SS-06-01	450392080607230	78.00
08/06/92	05-SS-03-01	450392080607230	75.00
08/06/92	05-SS-01-01	450392080607230	74.00
08/06/92	05-SS-04-01	450392080607230	82.00
08/06/92	05-SS-02-01	450392080607230	75.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,4-Bromofluorobenzene continued			
Type of Spike : Surrogate			
08/11/92	05-SS-13-01	450392081107410	76.00
08/11/92	05-DS-03	450392081107410	78.00
08/11/92	05-SS-12-01	450392081107410	75.00
08/11/92	06-SS-01-01	450392081107410	70.00
08/11/92	06-SS-02-01	450392081107410	86.00
08/12/92	05-SS-14-01	450392081107410	82.00
08/12/92	06-SS-03-01	450392081209230	77.00
08/12/92	06-SD-02-01	450392081209230	79.00
08/12/92	05-SD-02-01	450392081209230	76.00
08/12/92	05-SS-10-01	450392081209230	92.00
08/12/92	05-MW-06-02	450392081209230	83.00
08/12/92	05-SS-05-01	450392081209230	80.00
08/12/92	05-SS-08-01	450392081209230	84.00
08/12/92	05-SD-01-01	450392081209230	75.00
08/12/92	05-DS-04	450392081209230	68.00
08/13/92	01-SS-10-01	450392081308360	70.00
08/13/92	01-MW-01-02	450392081308360	77.00
08/13/92	01-SS-01-01	450392081308360	74.00
08/13/92	01-SS-02-01	450392081308360	74.00
08/13/92	01-SS-05-01	450392081308360	69.00
08/13/92	01-SS-06-01	450392081308360	80.00
08/14/92	01-SS-08-01	450392081408310	81.00
08/14/92	01-SS-09-01	450392081408310	70.00
08/17/92	01-SB-01-02	450392081709090	80.00
08/17/92	01-MW-02-02	450392081709090	81.00
08/17/92	01-SB-01-03	450392081709090	81.00
08/18/92	07-MW-04-02	450392081808430	62.00
08/20/92	07-SB-01-01	450392082008590	75.00
08/20/92	07-SB-03-01	450392082008590	75.00
08/20/92	07-MW-02-02	450392082008590	74.00
08/21/92	07-SB-02-01	450392082107510	82.00
08/21/92	07-MW-01-02	450392082107510	79.00
08/27/92	04-MW-01-02	450392082708330	78.00
08/31/92	04-MW-04-02	450392083108510	78.00
09/03/92	12-MW-01-02	450392090308420	86.00
09/03/92	12-MW-02-02	450392090308420	88.00
09/09/92	07-SS-04-01	450392090908420	66.00
09/09/92	07-SS-05-01	450392090908420	59.00
09/09/92	07-SD-02-01	450392090908420	56.00
09/11/92	10-SS-02-01	450392091108290	81.00
09/11/92	10-SS-02-01 MS	450392091108290	79.00
09/11/92	10-SS-02-01 MSD	450392091108290	80.00
09/11/92	10-SS-03-01	450392091108290	81.00
09/11/92	10-SS-04-01	450392091108290	76.00
09/11/92	10-SS-05-01	450392091108290	77.00
09/11/92	10-SS-06-01	450392091108290	79.00
09/11/92	09-SS-02-01	450392091108290	76.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,4-Bromofluorobenzene continued			
Type of Spike : Surrogate			
09/15/92	10-DS-02	450392091508530	85.00
09/15/92	09-SS-03-01	450392091508530	74.00
09/15/92	01-SD-02-01	450392091508530	71.00
09/15/92	01-DS-03	450392091508530	75.00
09/15/92	07-SS-03-01	450392091508530	80.00
09/16/92	01-SD-02-01 MS	450392091608440	72.00
09/16/92	01-SD-02-01 MSD	450392091608440	71.00
09/16/92	01-DS-01	450392091608440	78.00
09/16/92	01-SD-01-01	450392091608440	78.00
09/16/92	07-SS-02-01	450392091608440	71.00
07/22/92	09-MW-02-02	450492072211010	92.00
07/22/92	10-MW-02-01	450492072211010	114.00
07/22/92	10-SB-03-01	450492072211010	91.00
07/22/92	10-SB-03-02	450492072211010	107.00
07/22/92	10-SB-03-03	450492072211010	90.00
07/25/92	10-SB-02-01	450492072513560	98.00
07/26/92	06-MW-03-02	450492072513560	90.00
07/26/92	10-MW-01-01	450492072513560	93.00
07/26/92	06-MW-04-02	450492072612450	98.00
07/26/92	10-SB-02-02	450492072612450	98.00
07/31/92	05-SB-01-01	450492073111130	86.00
07/31/92	05-MW-01-02	450492073111130	89.00
07/31/92	05-MW-03-02	450492073111130	89.00
08/11/92	06-SD-01-01	450492081108340	104.00
08/11/92	06-SD-01-01 MS	450492081108340	104.00
08/11/92	06-SD-01-01 MSD	450492081108340	110.00
08/13/92	05-MW-04-02	450492081310530	100.00
08/13/92	05-MW-04-02 MS	450492081310530	96.00
08/13/92	05-MW-04-02 MSD	450492081310530	99.00
08/13/92	05-SS-09-01	450492081310530	98.00
08/13/92	11-SS-01-01	450492081310530	93.00
08/13/92	11-DS-01	450492081310530	88.00
08/13/92	05-SS-11-01	450492081310530	94.00
08/14/92	05-MW-05-02	450492081310530	91.00
08/14/92	05-SS-07-01	450492081410380	77.00
08/14/92	01-SS-07-01	450492081410380	95.00
08/14/92	01-SS-07-01 MS	450492081410380	95.00
08/14/92	01-SS-07-01 MSD	450492081410380	93.00
08/14/92	01-DS-02	450492081410380	75.00
08/14/92	01-SS-03-01	450492081410380	94.00
08/14/92	01-SS-04-01	450492081410380	118.00
10/13/92	09-SS-01-01	450492101208290	90.00
07/26/92	10-DS-01	450192072609340	91.00
07/27/92	10-DS-01 MS	450192072609340	92.00
07/27/92	10-DS-01 MSD	450192072609340	89.00
07/27/92	06-DS-01	450192072609340	98.00
07/27/92	06-DS-01 MS	450192072609340	96.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,4-Bromofluorobenzene continued			
Type of Spike : Surrogate			
07/27/92	06-DS-01 MSD	450192072609340	96.00
07/27/92	06-SB-02-01	450192072609340	94.00
07/27/92	06-SB-02-02	450192072609340	94.00
07/27/92	10-SB-01-01	450192072609340	91.00
07/27/92	10-SB-01-02	450192072609340	82.00
07/29/92	06-DS-02	450192072907480	90.00
07/29/92	06-DS-02 MS	450192072907480	92.00
07/29/92	06-DS-02 MSD	450192072907480	91.00
07/29/92	06-MW-02-02	450192072907480	82.00
07/29/92	06-SB-01-01	450192072907480	86.00
07/29/92	11-SB-01-02	450192072907480	96.00
07/29/92	11-SB-01-01	450192072907480	77.00
07/29/92	06-SB-01-02	450192072907480	88.00
07/29/92	06-MW-01-02	450192072907480	88.00
07/29/92	06-SS-04-01	450192072907480	90.00
07/29/92	06-SS-05-01	450192072907480	89.00
07/29/92	05-DS-02	450192072907480	100.00
07/30/92	05-SB-01-02	450192072907480	88.00
07/30/92	05-SB-01-03	450192072907480	95.00
07/30/92	05-SB-03-01	450192072907480	91.00
07/30/92	06-SS-06-01	450192073007290	93.00
07/30/92	05-DS-01	450192073007290	97.00
07/30/92	05-DS-01 MS	450192073007290	96.00
07/30/92	05-DS-01 MSD	450192073007290	97.00
07/30/92	05-SB-03-02	450192073007290	92.00
08/07/92	05-SS-15-01	450192080707000	65.00
08/07/92	05-SS-15-01 MS	450192080707000	57.00
08/07/92	05-SS-15-01 MSD	450192080707000	64.00
08/20/92	04-DS-01	450192082011220	84.00
08/20/92	04-DS-01 MS	450192082011220	87.00
08/20/92	04-DS-01 MSD	450192082011220	76.00
08/21/92	09-MW-06-02	450192082011220	88.00
08/21/92	09-DS-01	450192082011220	75.00
08/21/92	04-MW-02-02	450192082011220	72.00
08/21/92	09-MW-03-02	450192082011220	87.00
08/21/92	04-MW-03-02	450192082108370	82.00
08/21/92	09-MW-05-02	450192082108370	81.00
08/21/92	04-SS-01-01	450192082108370	78.00
08/24/92	04-SS-02-01	450192082407320	79.00
08/24/92	04-SS-02-01 MS	450192082407320	77.00
08/24/92	04-SS-02-01 MSD	450192082407320	77.00
08/24/92	04-SS-03-01	450192082407320	79.00
08/24/92	04-SD-01-01	450192082407320	86.00
08/24/92	04-SD-02-01	450192082407320	76.00
08/24/92	04-SD-03-01	450192082407320	82.00
08/24/92	04-SD-04-01	450192082407320	76.00
08/04/92	05-SB-02-02	450292080407190	84.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,4-Bromofluorobenzene continued			
Type of Spike : Surrogate			
08/04/92	05-SB-02-03	450292080407190	86.00
08/04/92	05-SB-02-04	450292080407190	84.00
08/04/92	05-SB-02-01	450292080407190	82.00
08/19/92	01-SB-02-01	450292081907450	100.00
08/19/92	01-SB-02-02	450292081907450	96.00
08/19/92	07-MW-03-02	450292081907450	105.00
08/19/92	07-MW-03-02 MS	450292081907450	115.00
08/19/92	07-MW-03-02 MSD	450292081907450	106.00
08/19/92	01-SB-01-01	450292081907450	77.00
08/19/92	05-MW-04-02	450292081907450	91.00
08/19/92	01-SB-02-03	450292081907450	87.00
08/21/92	07-DS-01	450292082107270	91.00
08/21/92	07-DS-01 MS	450292082107270	93.00
08/21/92	07-DS-01 MSD	450292082107270	90.00
09/14/92	10-SS-01-01	450292091407450	115.00
09/14/92	10-SS-01-01 MS	450292091407450	107.00
09/14/92	10-SS-01-01 MSD	450292091407450	98.00
09/14/92	07-SS-01-01	450292091407450	106.00
09/14/92	07-SD-01-01	450292091407450	116.00
09/14/92	07-DS-03	450292091407450	109.00
09/14/92	07-DS-02	450292091407450	89.00

Number of Samples : 171  
Mean % Recovery : 85.4  
Standard Deviation : 11.74

Below acceptance : 17  
Above acceptance : 0  
Acceptance Criteria 74-121

Type of Spike : Surrogate - Blank Sample

07/15/92	METHOD BLANK	450392071508470	86.00
07/21/92	METHOD BLANK	450392072113280	86.00
08/05/92	METHOD BLANK	450392080507550	83.00
08/06/92	METHOD BLANK	450392080607230	85.00
08/11/92	METHOD BLANK	450392081107410	83.00
08/12/92	METHOD BLANK	450392081209230	85.00
08/13/92	METHOD BLANK	450392081308360	87.00
08/14/92	METHOD BLANK	450392081408310	86.00
08/17/92	METHOD BLANK	450392081709090	87.00
08/18/92	METHOD BLANK	450392081808430	88.00
08/20/92	METHOD BLANK	450392082008590	88.00
08/21/92	METHOD BLANK	450392082107510	90.00
08/27/92	METHOD BLANK	450392082708330	89.00
08/31/92	METHOD BLANK	450392083108510	88.00
09/03/92	METHOD BLANK	450392090308420	90.00
09/04/92	METHOD BLANK	450392090408590	89.00
09/09/92	METHOD BLANK	450392090908420	85.00
09/11/92	METHOD BLANK	450392091108290	86.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,4-Bromofluorobenzene continued			
Type of Spike : Surrogate - Blank Sample			
09/15/92	METHOD BLANK	450392091508530	86.00
09/16/92	METHOD BLANK	450392091608440	88.00
07/22/92	METHOD BLANK	450492072211010	90.00
07/25/92	METHOD BLANK	450492072513560	97.00
07/26/92	METHOD BLANK	450492072612450	88.00
07/31/92	METHOD BLANK	450492073111130	96.00
08/13/92	METHOD BLANK	450492081310530	97.00
08/14/92	METHOD BLANK	450492081410380	97.00
10/12/92	METHOD BLANK	450492101208290	86.00
07/26/92	METHOD BLANK	450192072609340	97.00
07/29/92	METHOD BLANK	450192072907480	97.00
07/30/92	METHOD BLANK	450192073007290	98.00
08/07/92	METHOD BLANK	450192080707000	108.00
08/20/92	METHOD BLANK	450192082011220	98.00
08/21/92	METHOD BLANK	450192082108370	97.00
08/24/92	METHOD BLANK	450192082407320	94.00
08/04/92	METHOD BLANK	450292080407190	83.00
08/19/92	METHOD BLANK	450292081907450	76.00
09/14/92	METHOD BLANK	450292091407450	106.00
-----			
Number of Samples	: 37	Below acceptance :	0
Mean % Recovery	: 90.3	Above acceptance :	0
Standard Deviation	: 6.68	Acceptance Criteria	74-121

Type of Spike : Surrogate - Laboratory Control

07/15/92	LCS	450392071508470	90.00
07/15/92	LCS DUP	450392071508470	89.00
07/21/92	LCS	450392072113280	88.00
07/21/92	LCS DUP	450392072113280	90.00
08/05/92	LCS	450392080507550	88.00
08/05/92	LCS DUP	450392080507550	88.00
08/06/92	LCS	450392080607230	89.00
08/06/92	LCS DUP	450392080607230	92.00
08/11/92	LCS	450392081107410	89.00
08/11/92	LCS DUP	450392081107410	87.00
08/12/92	LCS	450392081209230	91.00
08/12/92	LCS DUP	450392081209230	88.00
08/13/92	LCS	450392081308360	88.00
08/13/92	LCS DUP	450392081308360	88.00
08/14/92	LCS	450392081408310	91.00
08/14/92	LCS DUP	450392081408310	88.00
08/17/92	LCS	450392081709090	93.00
08/17/92	LCS DUP	450392081709090	88.00
08/18/92	LCS	450392081808430	89.00
08/18/92	LCS DUP	450392081808430	88.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,4-Bromofluorobenzene continued			
Type of Spike : Surrogate - Laboratory Control			
08/20/92	LCS	450392082008590	90.00
08/20/92	LCS DUP	450392082008590	92.00
08/21/92	LCS	450392082107510	94.00
08/21/92	LCS DUP	450392082107510	91.00
08/27/92	LCS	450392082708330	91.00
08/27/92	LCS DUP	450392082708330	90.00
08/31/92	LCS	450392083108510	91.00
08/31/92	LCS DUP	450392083108510	92.00
09/03/92	LCS	450392090308420	92.00
09/03/92	LCS DUP	450392090308420	90.00
09/04/92	LCS	450392090408590	92.00
09/04/92	LCS DUP	450392090408590	96.00
09/09/92	LCS	450392090908420	89.00
09/09/92	LCS DUP	450392090908420	87.00
09/11/92	LCS	450392091108290	87.00
09/11/92	LCS DUP	450392091108290	88.00
09/15/92	LCS	450392091508530	87.00
09/15/92	LCS DUP	450392091508530	90.00
09/16/92	LCS	450392091608440	90.00
09/16/92	LCS DUP	450392091608440	87.00
07/22/92	LCS	450492072211010	91.00
07/22/92	LCS DUP	450492072211010	92.00
07/25/92	LCS	450492072513560	99.00
07/25/92	LCS DUP	450492072513560	102.00
07/26/92	LCS	450492072612450	96.00
07/26/92	LCS DUP	450492072612450	96.00
07/31/92	LCS	450492073111130	96.00
07/31/92	LCS DUP	450492073111130	96.00
08/13/92	LCS	450492081310530	100.00
08/13/92	LCS DUP	450492081310530	96.00
08/14/92	LCS	450492081410380	98.00
08/14/92	LCS DUP	450492081410380	98.00
10/12/92	LCS	450492101208290	84.00
10/12/92	LCS DUP	450492101208290	87.00
07/26/92	LCS	450192072609340	99.00
07/26/92	LCS DUP	450192072609340	100.00
07/29/92	LCS	450192072907480	98.00
07/29/92	LCS DUP	450192072907480	98.00
07/30/92	LCS	450192073007290	98.00
07/30/92	LCS DUP	450192073007290	99.00
08/07/92	LCS	450192080707000	86.00
08/07/92	LCS DUP	450192080707000	92.00
08/20/92	LCS	450192082011220	91.00
08/20/92	LCS DUP	450192082011220	97.00
08/21/92	LCS	450192082108370	93.00
08/21/92	LCS DUP	450192082108370	100.00
08/24/92	LCS	450192082407320	96.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 1,4-Bromofluorobenzene continued			
Type of Spike : Surrogate - Laboratory Control			
08/24/92	LCS DUP	450192082407320	95.00
08/04/92	LCS	450292080407190	84.00
08/04/92	LCS DUP	450292080407190	84.00
08/19/92	LCS	450292081907450	81.00
08/19/92	LCS DUP	450292081907450	75.00
09/14/92	LCS	450292091407450	108.00
09/14/92	LCS DUP	450292091407450	110.00

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 91.9	Above acceptance :	0
Standard Deviation	: 5.71	Acceptance Criteria	74-121

Method : SW8240  
Spiked Analyte : 2-Chloroethyl vinyl ether

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	270.00
07/15/92	LCS DUP	450392071508470	272.00
07/21/92	LCS	450392072113280	274.00
07/21/92	LCS DUP	450392072113280	247.00
08/05/92	LCS	450392080507550	216.00
08/05/92	LCS DUP	450392080507550	212.00
08/06/92	LCS	450392080607230	206.00
08/06/92	LCS DUP	450392080607230	211.00
08/11/92	LCS	450392081107410	251.00
08/11/92	LCS DUP	450392081107410	235.00
08/12/92	LCS	450392081209230	253.00
08/12/92	LCS DUP	450392081209230	244.00
08/13/92	LCS	450392081308360	229.00
08/13/92	LCS DUP	450392081308360	221.00
08/14/92	LCS	450392081408310	251.00
08/14/92	LCS DUP	450392081408310	214.00
08/17/92	LCS	450392081709090	236.00
08/17/92	LCS DUP	450392081709090	228.00
08/18/92	LCS	450392081808430	225.00
08/18/92	LCS DUP	450392081808430	220.00
08/20/92	LCS	450392082008590	239.00
08/20/92	LCS DUP	450392082008590	237.00
08/21/92	LCS	450392082107510	248.00
08/21/92	LCS DUP	450392082107510	199.00
08/27/92	LCS	450392082708330	236.00
08/27/92	LCS DUP	450392082708330	235.00
08/31/92	LCS	450392083108510	238.00
08/31/92	LCS DUP	450392083108510	220.00
09/03/92	LCS	450392090308420	119.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 2-Chloroethyl vinyl ether continued			
Type of Spike : Laboratory Control			
09/03/92	LCS DUP	450392090308420	125.00
09/04/92	LCS	450392090408590	124.00
09/04/92	LCS DUP	450392090408590	125.00
09/09/92	LCS	450392090908420	120.00
09/09/92	LCS DUP	450392090908420	111.00
09/11/92	LCS	450392091108290	118.00
09/11/92	LCS DUP	450392091108290	113.00
09/15/92	LCS	450392091508530	114.00
09/15/92	LCS DUP	450392091508530	120.00
09/16/92	LCS	450392091608440	116.00
09/16/92	LCS DUP	450392091608440	118.00
07/22/92	LCS	450492072211010	136.00
07/22/92	LCS DUP	450492072211010	136.00
07/25/92	LCS	450492072513560	647.00
07/25/92	LCS DUP	450492072513560	665.00
07/26/92	LCS	450492072612450	283.00
07/26/92	LCS DUP	450492072612450	261.00
07/31/92	LCS	450492073111130	115.00
07/31/92	LCS DUP	450492073111130	126.00
08/13/92	LCS	450492081310530	305.00
08/13/92	LCS DUP	450492081310530	274.00
08/14/92	LCS	450492081410380	305.00
08/14/92	LCS DUP	450492081410380	313.00
10/12/92	LCS	450492101208290	238.00
10/12/92	LCS DUP	450492101208290	227.00
07/26/92	LCS	450192072609340	218.00
07/26/92	LCS DUP	450192072609340	231.00
07/29/92	LCS	450192072907480	96.00
07/29/92	LCS DUP	450192072907480	92.00
07/30/92	LCS	450192073007290	107.00
07/30/92	LCS DUP	450192073007290	112.00
08/07/92	LCS	450192080707000	173.00
08/07/92	LCS DUP	450192080707000	163.00
08/20/92	LCS	450192082011220	176.00
08/20/92	LCS DUP	450192082011220	219.00
08/21/92	LCS	450192082108370	212.00
08/21/92	LCS DUP	450192082108370	212.00
08/24/92	LCS	450192082407320	200.00
08/24/92	LCS DUP	450192082407320	192.00
08/04/92	LCS	450292080407190	164.00
08/04/92	LCS DUP	450292080407190	209.00
08/19/92	LCS	450292081907450	176.00
08/19/92	LCS DUP	450292081907450	119.00
09/14/92	LCS	450292091407450	120.00
09/14/92	LCS DUP	450292091407450	116.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8240

Spiked Analyte : 2-Chloroethyl vinyl ether continued

Type of Spike : Laboratory Control

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 207.1	Above acceptance :	3
Standard Deviation	: 96.17	Acceptance Criteria	D-305

Method : SW8240

Spiked Analyte : 2-Hexanone

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	125.00
07/15/92	LCS DUP	450392071508470	116.00
07/21/92	LCS	450392072113280	110.00
07/21/92	LCS DUP	450392072113280	106.00
08/05/92	LCS	450392080507550	63.00
08/05/92	LCS DUP	450392080507550	64.00
08/06/92	LCS	450392080607230	54.00
08/06/92	LCS DUP	450392080607230	75.00
08/11/92	LCS	450392081107410	84.00
08/11/92	LCS DUP	450392081107410	67.00
08/12/92	LCS	450392081209230	69.00
08/12/92	LCS DUP	450392081209230	67.00
08/13/92	LCS	450392081308360	68.00
08/13/92	LCS DUP	450392081308360	67.00
08/14/92	LCS	450392081408310	64.00
08/14/92	LCS DUP	450392081408310	62.00
08/17/92	LCS	450392081709090	68.00
08/17/92	LCS DUP	450392081709090	71.00
08/18/92	LCS	450392081808430	68.00
08/18/92	LCS DUP	450392081808430	63.00
08/20/92	LCS	450392082008590	87.00
08/20/92	LCS DUP	450392082008590	86.00
08/21/92	LCS	450392082107510	84.00
08/21/92	LCS DUP	450392082107510	45.00
08/27/92	LCS	450392082708330	89.00
08/27/92	LCS DUP	450392082708330	85.00
08/31/92	LCS	450392083108510	82.00
08/31/92	LCS DUP	450392083108510	79.00
09/03/92	LCS	450392090308420	80.00
09/03/92	LCS DUP	450392090308420	87.00
09/04/92	LCS	450392090408590	95.00
09/04/92	LCS DUP	450392090408590	102.00
09/09/92	LCS	450392090908420	96.00
09/09/92	LCS DUP	450392090908420	89.00
09/11/92	LCS	450392091108290	75.00
09/11/92	LCS DUP	450392091108290	82.00
09/15/92	LCS	450392091508530	73.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 2-Hexanone continued			
Type of Spike : Laboratory Control			
09/15/92	LCS DUP	450392091508530	80.00
09/16/92	LCS	450392091608440	98.00
09/16/92	LCS DUP	450392091608440	97.00
07/22/92	LCS	450492072211010	66.00
07/22/92	LCS DUP	450492072211010	64.00
07/25/92	LCS	450492072513560	80.00
07/25/92	LCS DUP	450492072513560	94.00
07/26/92	LCS	450492072612450	79.00
07/26/92	LCS DUP	450492072612450	71.00
07/31/92	LCS	450492073111130	93.00
07/31/92	LCS DUP	450492073111130	88.00
08/13/92	LCS	450492081310530	60.00
08/13/92	LCS DUP	450492081310530	55.00
08/14/92	LCS	450492081410380	63.00
08/14/92	LCS DUP	450492081410380	62.00
10/12/92	LCS	450492101208290	84.00
10/12/92	LCS DUP	450492101208290	88.00
07/26/92	LCS	450192072609340	101.00
07/26/92	LCS DUP	450192072609340	113.00
07/29/92	LCS	450192072907480	87.00
07/29/92	LCS DUP	450192072907480	61.00
07/30/92	LCS	450192073007290	101.00
07/30/92	LCS DUP	450192073007290	105.00
08/07/92	LCS	450192080707000	75.00
08/07/92	LCS DUP	450192080707000	80.00
08/20/92	LCS	450192082011220	61.00
08/20/92	LCS DUP	450192082011220	96.00
08/21/92	LCS	450192082108370	90.00
08/21/92	LCS DUP	450192082108370	94.00
08/24/92	LCS	450192082407320	78.00
08/24/92	LCS DUP	450192082407320	72.00
08/04/92	LCS	450292080407190	91.00
08/04/92	LCS DUP	450292080407190	97.00
08/19/92	LCS	450292081907450	56.00
08/19/92	LCS DUP	450292081907450	59.00
09/14/92	LCS	450292091407450	97.00
09/14/92	LCS DUP	450292091407450	89.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 80.7	Above acceptance :	0
Standard Deviation	: 16.49	Acceptance Criteria	NS

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 4-Methyl-2-pentanone(MIBK)			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	104.00
07/15/92	LCS DUP	450392071508470	103.00
07/21/92	LCS	450392072113280	102.00
07/21/92	LCS DUP	450392072113280	92.00
08/05/92	LCS	450392080507550	76.00
08/05/92	LCS DUP	450392080507550	74.00
08/06/92	LCS	450392080607230	68.00
08/06/92	LCS DUP	450392080607230	87.00
08/11/92	LCS	450392081107410	94.00
08/11/92	LCS DUP	450392081107410	80.00
08/12/92	LCS	450392081209230	89.00
08/12/92	LCS DUP	450392081209230	86.00
08/13/92	LCS	450392081308360	77.00
08/13/92	LCS DUP	450392081308360	78.00
08/14/92	LCS	450392081408310	81.00
08/14/92	LCS DUP	450392081408310	81.00
08/17/92	LCS	450392081709090	81.00
08/17/92	LCS DUP	450392081709090	83.00
08/18/92	LCS	450392081808430	76.00
08/18/92	LCS DUP	450392081808430	76.00
08/20/92	LCS	450392082008590	98.00
08/20/92	LCS DUP	450392082008590	94.00
08/21/92	LCS	450392082107510	94.00
08/21/92	LCS DUP	450392082107510	58.00
08/27/92	LCS	450392082708330	94.00
08/27/92	LCS DUP	450392082708330	87.00
08/31/92	LCS	450392083108510	92.00
08/31/92	LCS DUP	450392083108510	83.00
09/03/92	LCS	450392090308420	84.00
09/03/92	LCS DUP	450392090308420	92.00
09/04/92	LCS	450392090408590	97.00
09/04/92	LCS DUP	450392090408590	101.00
09/09/92	LCS	450392090908420	93.00
09/09/92	LCS DUP	450392090908420	86.00
09/11/92	LCS	450392091108290	82.00
09/11/92	LCS DUP	450392091108290	87.00
09/15/92	LCS	450392091508530	76.00
09/15/92	LCS DUP	450392091508530	84.00
09/16/92	LCS	450392091608440	87.00
09/16/92	LCS DUP	450392091608440	89.00
07/22/92	LCS	450492072211010	100.00
07/22/92	LCS DUP	450492072211010	99.00
07/25/92	LCS	450492072513560	111.00
07/25/92	LCS DUP	450492072513560	124.00
07/26/92	LCS	450492072612450	111.00
07/26/92	LCS DUP	450492072612450	96.00
07/31/92	LCS	450492073111130	122.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : 4-Methyl-2-pentanone(MIBK) continued			
Type of Spike : Laboratory Control			
07/31/92	LCS DUP	450492073111130	117.00
08/13/92	LCS	450492081310530	91.00
08/13/92	LCS DUP	450492081310530	86.00
08/14/92	LCS	450492081410380	88.00
08/14/92	LCS DUP	450492081410380	84.00
10/12/92	LCS	450492101208290	106.00
10/12/92	LCS DUP	450492101208290	105.00
07/26/92	LCS	450192072609340	110.00
07/26/92	LCS DUP	450192072609340	122.00
07/29/92	LCS	450192072907480	98.00
07/29/92	LCS DUP	450192072907480	74.00
07/30/92	LCS	450192073007290	113.00
07/30/92	LCS DUP	450192073007290	116.00
08/07/92	LCS	450192080707000	82.00
08/07/92	LCS DUP	450192080707000	85.00
08/20/92	LCS	450192082011220	75.00
08/20/92	LCS DUP	450192082011220	110.00
08/21/92	LCS	450192082108370	106.00
08/21/92	LCS DUP	450192082108370	109.00
08/24/92	LCS	450192082407320	91.00
08/24/92	LCS DUP	450192082407320	83.00
08/04/92	LCS	450292080407190	91.00
08/04/92	LCS DUP	450292080407190	104.00
08/19/92	LCS	450292081907450	55.00
08/19/92	LCS DUP	450292081907450	52.00
09/14/92	LCS	450292091407450	88.00
09/14/92	LCS DUP	450292091407450	78.00

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 90.9	Above acceptance :	0
Standard Deviation	: 14.88	Acceptance Criteria	NS

Method : SW8240  
Spiked Analyte : Acetone

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	139.00
07/15/92	LCS DUP	450392071508470	132.00
07/21/92	LCS	450392072113280	93.00
07/21/92	LCS DUP	450392072113280	89.00
08/05/92	LCS	450392080507550	102.00
08/05/92	LCS DUP	450392080507550	100.00
08/06/92	LCS	450392080607230	101.00
08/06/92	LCS DUP	450392080607230	130.00
08/11/92	LCS	450392081107410	90.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Acetone continued			
Type of Spike : Laboratory Control			
08/11/92	LCS DUP	450392081107410	88.00
08/12/92	LCS	450392081209230	119.00
08/12/92	LCS DUP	450392081209230	102.00
08/13/92	LCS	450392081308360	93.00
08/13/92	LCS DUP	450392081308360	91.00
08/14/92	LCS	450392081408310	81.00
08/14/92	LCS DUP	450392081408310	111.00
08/17/92	LCS	450392081709090	82.00
08/17/92	LCS DUP	450392081709090	91.00
08/18/92	LCS	450392081808430	89.00
08/18/92	LCS DUP	450392081808430	92.00
08/20/92	LCS	450392082008590	131.00
08/20/92	LCS DUP	450392082008590	137.00
08/21/92	LCS	450392082107510	106.00
08/21/92	LCS DUP	450392082107510	89.00
08/27/92	LCS	450392082708330	96.00
08/27/92	LCS DUP	450392082708330	110.00
08/31/92	LCS	450392083108510	110.00
08/31/92	LCS DUP	450392083108510	118.00
09/03/92	LCS	450392090308420	106.00
09/03/92	LCS DUP	450392090308420	100.00
09/04/92	LCS	450392090408590	128.00
09/04/92	LCS DUP	450392090408590	117.00
09/09/92	LCS	450392090908420	134.00
09/09/92	LCS DUP	450392090908420	143.00
09/11/92	LCS	450392091108290	96.00
09/11/92	LCS DUP	450392091108290	78.00
09/15/92	LCS	450392091508530	69.00
09/15/92	LCS DUP	450392091508530	78.00
09/16/92	LCS	450392091608440	75.00
09/16/92	LCS DUP	450392091608440	85.00
07/22/92	LCS	450492072211010	137.00
07/22/92	LCS DUP	450492072211010	134.00
07/25/92	LCS	450492072513560	151.00
07/25/92	LCS DUP	450492072513560	146.00
07/26/92	LCS	450492072612450	119.00
07/26/92	LCS DUP	450492072612450	111.00
07/31/92	LCS	450492073111130	143.00
07/31/92	LCS DUP	450492073111130	136.00
08/13/92	LCS	450492081310530	100.00
08/13/92	LCS DUP	450492081310530	96.00
08/14/92	LCS	450492081410380	153.00
08/14/92	LCS DUP	450492081410380	143.00
10/12/92	LCS	450492101208290	105.00
10/12/92	LCS DUP	450492101208290	120.00
07/26/92	LCS	450192072609340	107.00
07/26/92	LCS DUP	450192072609340	124.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Acetone continued			
Type of Spike : Laboratory Control			
07/29/92	LCS	450192072907480	92.00
07/29/92	LCS DUP	450192072907480	67.00
07/30/92	LCS	450192073007290	112.00
07/30/92	LCS DUP	450192073007290	113.00
08/07/92	LCS	450192080707000	88.00
08/07/92	LCS DUP	450192080707000	86.00
08/20/92	LCS	450192082011220	71.00
08/20/92	LCS DUP	450192082011220	112.00
08/21/92	LCS	450192082108370	110.00
08/21/92	LCS DUP	450192082108370	125.00
08/24/92	LCS	450192082407320	105.00
08/24/92	LCS DUP	450192082407320	108.00
08/04/92	LCS	450292080407190	101.00
08/04/92	LCS DUP	450292080407190	93.00
08/19/92	LCS	450292081907450	136.00
08/19/92	LCS DUP	450292081907450	110.00
09/14/92	LCS	450292091407450	109.00
09/14/92	LCS DUP	450292091407450	113.00

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 108.1	Above acceptance :	0
Standard Deviation	: 21.08	Acceptance Criteria	NS

Method : SW8240  
Spiked Analyte : Benzene

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	104.00
07/15/92	LCS DUP	450392071508470	102.00
07/21/92	LCS	450392072113280	104.00
07/21/92	LCS DUP	450392072113280	93.00
08/05/92	LCS	450392080507550	96.00
08/05/92	LCS DUP	450392080507550	97.00
08/06/92	LCS	450392080607230	91.00
08/06/92	LCS DUP	450392080607230	93.00
08/11/92	LCS	450392081107410	98.00
08/11/92	LCS DUP	450392081107410	98.00
08/12/92	LCS	450392081209230	111.00
08/12/92	LCS DUP	450392081209230	106.00
08/13/92	LCS	450392081308360	98.00
08/13/92	LCS DUP	450392081308360	99.00
08/14/92	LCS	450392081408310	102.00
08/14/92	LCS DUP	450392081408310	100.00
08/17/92	LCS	450392081709090	100.00
08/17/92	LCS DUP	450392081709090	96.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Benzene continued			
Type of Spike : Laboratory Control			
08/18/92	LCS	450392081808430	92.00
08/18/92	LCS DUP	450392081808430	92.00
08/20/92	LCS	450392082008590	107.00
08/20/92	LCS DUP	450392082008590	107.00
08/21/92	LCS	450392082107510	105.00
08/21/92	LCS DUP	450392082107510	105.00
08/27/92	LCS	450392082708330	98.00
08/27/92	LCS DUP	450392082708330	98.00
08/31/92	LCS	450392083108510	98.00
08/31/92	LCS DUP	450392083108510	98.00
09/03/92	LCS	450392090308420	100.00
09/03/92	LCS DUP	450392090308420	102.00
09/04/92	LCS	450392090408590	105.00
09/04/92	LCS DUP	450392090408590	105.00
09/09/92	LCS	450392090908420	98.00
09/09/92	LCS DUP	450392090908420	98.00
09/11/92	LCS	450392091108290	103.00
09/11/92	LCS DUP	450392091108290	108.00
09/15/92	LCS	450392091508530	97.00
09/15/92	LCS DUP	450392091508530	100.00
09/16/92	LCS	450392091608440	101.00
09/16/92	LCS DUP	450392091608440	98.00
07/22/92	LCS	450492072211010	101.00
07/22/92	LCS DUP	450492072211010	99.00
07/25/92	LCS	450492072513560	110.00
07/25/92	LCS DUP	450492072513560	112.00
07/26/92	LCS	450492072612450	102.00
07/26/92	LCS DUP	450492072612450	102.00
07/31/92	LCS	450492073111130	103.00
07/31/92	LCS DUP	450492073111130	105.00
08/13/92	LCS	450492081310530	102.00
08/13/92	LCS DUP	450492081310530	94.00
08/14/92	LCS	450492081410380	92.00
08/14/92	LCS DUP	450492081410380	94.00
10/12/92	LCS	450492101208290	108.00
10/12/92	LCS DUP	450492101208290	109.00
07/26/92	LCS	450192072609340	97.00
07/26/92	LCS DUP	450192072609340	100.00
07/29/92	LCS	450192072907480	98.00
07/29/92	LCS DUP	450192072907480	102.00
07/30/92	LCS	450192073007290	100.00
07/30/92	LCS DUP	450192073007290	129.00
08/07/92	LCS	450192080707000	79.00
08/07/92	LCS DUP	450192080707000	75.00
08/20/92	LCS	450192082011220	93.00
08/20/92	LCS DUP	450192082011220	98.00
08/21/92	LCS	450192082108370	97.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Benzene continued			
Type of Spike : Laboratory Control			
08/21/92	LCS DUP	450192082108370	95.00
08/24/92	LCS	450192082407320	96.00
08/24/92	LCS DUP	450192082407320	92.00
08/04/92	LCS	450292080407190	97.00
08/04/92	LCS DUP	450292080407190	101.00
08/19/92	LCS	450292081907450	98.00
08/19/92	LCS DUP	450292081907450	97.00
09/14/92	LCS	450292091407450	100.00
09/14/92	LCS DUP	450292091407450	100.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 99.7	Above acceptance :	0
Standard Deviation	: 6.98	Acceptance Criteria	37-151
Type of Spike : Matrix Spike			
09/11/92	10-SS-02-01 MS	450392091108290	103.00
09/11/92	10-SS-02-01 MSD	450392091108290	101.00
09/16/92	01-SD-02-01 MS	450392091608440	99.00
09/16/92	01-SD-02-01 MSD	450392091608440	101.00
08/11/92	06-SD-01-01 MS	450492081108340	92.00
08/11/92	06-SD-01-01 MSD	450492081108340	98.00
08/13/92	05-MW-04-02 MS	450492081310530	96.00
08/13/92	05-MW-04-02 MSD	450492081310530	95.00
08/14/92	01-SS-07-01 MS	450492081410380	94.00
08/14/92	01-SS-07-01 MSD	450492081410380	92.00
07/27/92	10-DS-01 MS	450192072609340	106.00
07/27/92	10-DS-01 MSD	450192072609340	109.00
07/27/92	06-DS-01 MS	450192072609340	103.00
07/27/92	06-DS-01 MSD	450192072609340	102.00
07/29/92	06-DS-02 MS	450192072907480	95.00
07/29/92	06-DS-02 MSD	450192072907480	94.00
07/30/92	05-DS-01 MS	450192073007290	139.00
07/30/92	05-DS-01 MSD	450192073007290	150.00
08/07/92	05-SS-15-01 MS	450192080707000	82.00
08/07/92	05-SS-15-01 MSD	450192080707000	80.00
08/20/92	04-DS-01 MS	450192082011220	96.00
08/20/92	04-DS-01 MSD	450192082011220	93.00
08/24/92	04-SS-02-01 MS	450192082407320	113.00
08/24/92	04-SS-02-01 MSD	450192082407320	100.00
08/19/92	07-MW-03-02 MS	450292081907450	98.00
08/19/92	07-MW-03-02 MSD	450292081907450	92.00
08/21/92	07-DS-01 MS	450292082107270	94.00
08/21/92	07-DS-01 MSD	450292082107270	88.00
09/14/92	10-SS-01-01 MS	450292091407450	92.00
09/14/92	10-SS-01-01 MSD	450292091407450	93.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8240

Spiked Analyte : Benzene continued

Type of Spike : Matrix Spike

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Benzene continued			
Type of Spike : Matrix Spike			
Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 99.7	Above acceptance :	0
Standard Deviation	: 14.08	Acceptance Criteria	37-151
Method : SW8240			
Spiked Analyte : Bromodichloromethane			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	107.00
07/15/92	LCS DUP	450392071508470	108.00
07/21/92	LCS	450392072113280	97.00
07/21/92	LCS DUP	450392072113280	90.00
08/05/92	LCS	450392080507550	113.00
08/05/92	LCS DUP	450392080507550	115.00
08/06/92	LCS	450392080607230	110.00
08/06/92	LCS DUP	450392080607230	112.00
08/11/92	LCS	450392081107410	120.00
08/11/92	LCS DUP	450392081107410	113.00
08/12/92	LCS	450392081209230	124.00
08/12/92	LCS DUP	450392081209230	123.00
08/13/92	LCS	450392081308360	119.00
08/13/92	LCS DUP	450392081308360	114.00
08/14/92	LCS	450392081408310	121.00
08/14/92	LCS DUP	450392081408310	108.00
08/17/92	LCS	450392081709090	119.00
08/17/92	LCS DUP	450392081709090	117.00
08/18/92	LCS	450392081808430	113.00
08/18/92	LCS DUP	450392081808430	114.00
08/20/92	LCS	450392082008590	114.00
08/20/92	LCS DUP	450392082008590	114.00
08/21/92	LCS	450392082107510	117.00
08/21/92	LCS DUP	450392082107510	115.00
08/27/92	LCS	450392082708330	110.00
08/27/92	LCS DUP	450392082708330	108.00
08/31/92	LCS	450392083108510	110.00
08/31/92	LCS DUP	450392083108510	108.00
09/03/92	LCS	450392090308420	116.00
09/03/92	LCS DUP	450392090308420	117.00
09/04/92	LCS	450392090408590	118.00
09/04/92	LCS DUP	450392090408590	123.00
09/09/92	LCS	450392090908420	111.00
09/09/92	LCS DUP	450392090908420	107.00
09/11/92	LCS	450392091108290	116.00
09/11/92	LCS DUP	450392091108290	114.00
09/15/92	LCS	450392091508530	116.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Bromodichloromethane continued			
Type of Spike : Laboratory Control			
09/15/92	LCS DUP	450392091508530	112.00
09/16/92	LCS	450392091608440	116.00
09/16/92	LCS DUP	450392091608440	114.00
07/22/92	LCS	450492072211010	111.00
07/22/92	LCS DUP	450492072211010	108.00
07/25/92	LCS	450492072513560	119.00
07/25/92	LCS DUP	450492072513560	119.00
07/26/92	LCS	450492072612450	106.00
07/26/92	LCS DUP	450492072612450	101.00
07/31/92	LCS	450492073111130	104.00
07/31/92	LCS DUP	450492073111130	106.00
08/13/92	LCS	450492081310530	100.00
08/13/92	LCS DUP	450492081310530	94.00
08/14/92	LCS	450492081410380	92.00
08/14/92	LCS DUP	450492081410380	95.00
10/12/92	LCS	450492101208290	113.00
10/12/92	LCS DUP	450492101208290	115.00
07/26/92	LCS	450192072609340	102.00
07/26/92	LCS DUP	450192072609340	104.00
07/29/92	LCS	450192072907480	99.00
07/29/92	LCS DUP	450192072907480	105.00
07/30/92	LCS	450192073007290	100.00
07/30/92	LCS DUP	450192073007290	105.00
08/07/92	LCS	450192080707000	94.00
08/07/92	LCS DUP	450192080707000	93.00
08/20/92	LCS	450192082011220	100.00
08/20/92	LCS DUP	450192082011220	111.00
08/21/92	LCS	450192082108370	104.00
08/21/92	LCS DUP	450192082108370	100.00
08/24/92	LCS	450192082407320	99.00
08/24/92	LCS DUP	450192082407320	96.00
08/04/92	LCS	450292080407190	72.00
08/04/92	LCS DUP	450292080407190	80.00
08/19/92	LCS	450292081907450	122.00
08/19/92	LCS DUP	450292081907450	118.00
09/14/92	LCS	450292091407450	145.00
09/14/92	LCS DUP	450292091407450	141.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 109.5	Above acceptance :	0
Standard Deviation	: 11.41	Acceptance Criteria	35-155

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Bromomethane			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	82.00
07/15/92	LCS DUP	450392071508470	88.00
07/21/92	LCS	450392072113280	69.00
07/21/92	LCS DUP	450392072113280	69.00
08/05/92	LCS	450392080507550	71.00
08/05/92	LCS DUP	450392080507550	64.00
08/06/92	LCS	450392080607230	72.00
08/06/92	LCS DUP	450392080607230	67.00
08/11/92	LCS	450392081107410	64.00
08/11/92	LCS DUP	450392081107410	65.00
08/12/92	LCS	450392081209230	87.00
08/12/92	LCS DUP	450392081209230	86.00
08/13/92	LCS	450392081308360	63.00
08/13/92	LCS DUP	450392081308360	71.00
08/14/92	LCS	450392081408310	57.00
08/14/92	LCS DUP	450392081408310	71.00
08/17/92	LCS	450392081709090	60.00
08/17/92	LCS DUP	450392081709090	65.00
08/18/92	LCS	450392081808430	60.00
08/18/92	LCS DUP	450392081808430	69.00
08/20/92	LCS	450392082008590	78.00
08/20/92	LCS DUP	450392082008590	69.00
08/21/92	LCS	450392082107510	66.00
08/21/92	LCS DUP	450392082107510	64.00
08/27/92	LCS	450392082708330	58.00
08/27/92	LCS DUP	450392082708330	63.00
08/31/92	LCS	450392083108510	52.00
08/31/92	LCS DUP	450392083108510	59.00
09/03/92	LCS	450392090308420	73.00
09/03/92	LCS DUP	450392090308420	76.00
09/04/92	LCS	450392090408590	83.00
09/04/92	LCS DUP	450392090408590	88.00
09/09/92	LCS	450392090908420	61.00
09/09/92	LCS DUP	450392090908420	61.00
09/11/92	LCS	450392091108290	71.00
09/11/92	LCS DUP	450392091108290	68.00
09/15/92	LCS	450392091508530	73.00
09/15/92	LCS DUP	450392091508530	63.00
09/16/92	LCS	450392091608440	68.00
09/16/92	LCS DUP	450392091608440	63.00
07/22/92	LCS	450492072211010	48.00
07/22/92	LCS DUP	450492072211010	48.00
07/25/92	LCS	450492072513560	54.00
07/25/92	LCS DUP	450492072513560	49.00
07/26/92	LCS	450492072612450	56.00
07/26/92	LCS DUP	450492072612450	61.00
07/31/92	LCS	450492073111130	53.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Bromomethane continued			
Type of Spike : Laboratory Control			
07/31/92	LCS DUP	450492073111130	46.00
08/13/92	LCS	450492081310530	64.00
08/13/92	LCS DUP	450492081310530	49.00
08/14/92	LCS	450492081410380	56.00
08/14/92	LCS DUP	450492081410380	61.00
10/12/92	LCS	450492101208290	68.00
10/12/92	LCS DUP	450492101208290	68.00
07/26/92	LCS	450192072609340	46.00
07/26/92	LCS DUP	450192072609340	46.00
07/29/92	LCS	450192072907480	53.00
07/29/92	LCS DUP	450192072907480	55.00
07/30/92	LCS	450192073007290	60.00
07/30/92	LCS DUP	450192073007290	63.00
08/07/92	LCS	450192080707000	57.00
08/07/92	LCS DUP	450192080707000	46.00
08/20/92	LCS	450192082011220	43.00
08/20/92	LCS DUP	450192082011220	48.00
08/21/92	LCS	450192082108370	43.00
08/21/92	LCS DUP	450192082108370	44.00
08/24/92	LCS	450192082407320	49.00
08/24/92	LCS DUP	450192082407320	50.00
08/04/92	LCS	450292080407190	53.00
08/04/92	LCS DUP	450292080407190	53.00
08/19/92	LCS	450292081907450	45.00
08/19/92	LCS DUP	450292081907450	57.00
09/14/92	LCS	450292091407450	89.00
09/14/92	LCS DUP	450292091407450	60.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 62.1	Above acceptance :	0
Standard Deviation	: 11.70	Acceptance Criteria	D-242

Method : SW8240  
 Spiked Analyte : Carbon disulfide  
 Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	119.00
07/15/92	LCS DUP	450392071508470	110.00
07/21/92	LCS	450392072113280	111.00
07/21/92	LCS DUP	450392072113280	110.00
08/05/92	LCS	450392080507550	131.00
08/05/92	LCS DUP	450392080507550	151.00
08/06/92	LCS	450392080607230	94.00
08/06/92	LCS DUP	450392080607230	113.00
08/11/92	LCS	450392081107410	138.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Carbon disulfide continued			
Type of Spike : Laboratory Control			
08/11/92	LCS DUP	450392081107410	122.00
08/12/92	LCS	450392081209230	81.00
08/12/92	LCS DUP	450392081209230	92.00
08/13/92	LCS	450392081308360	118.00
08/13/92	LCS DUP	450392081308360	122.00
08/14/92	LCS	450392081408310	109.00
08/14/92	LCS DUP	450392081408310	121.00
08/17/92	LCS	450392081709090	99.00
08/17/92	LCS DUP	450392081709090	102.00
08/18/92	LCS	450392081808430	114.00
08/18/92	LCS DUP	450392081808430	146.00
08/20/92	LCS	450392082008590	100.00
08/20/92	LCS DUP	450392082008590	99.00
08/21/92	LCS	450392082107510	84.00
08/21/92	LCS DUP	450392082107510	114.00
08/27/92	LCS	450392082708330	76.00
08/27/92	LCS DUP	450392082708330	83.00
08/31/92	LCS	450392083108510	97.00
08/31/92	LCS DUP	450392083108510	114.00
09/03/92	LCS	450392090308420	100.00
09/03/92	LCS DUP	450392090308420	113.00
09/04/92	LCS	450392090408590	80.00
09/04/92	LCS DUP	450392090408590	65.00
09/09/92	LCS	450392090908420	83.00
09/09/92	LCS DUP	450392090908420	68.00
09/11/92	LCS	450392091108290	103.00
09/11/92	LCS DUP	450392091108290	86.00
09/15/92	LCS	450392091508530	119.00
09/15/92	LCS DUP	450392091508530	114.00
09/16/92	LCS	450392091608440	93.00
09/16/92	LCS DUP	450392091608440	83.00
07/22/92	LCS	450492072211010	133.00
07/22/92	LCS DUP	450492072211010	134.00
07/25/92	LCS	450492072513560	77.00
07/25/92	LCS DUP	450492072513560	117.00
07/26/92	LCS	450492072612450	71.00
07/26/92	LCS DUP	450492072612450	100.00
07/31/92	LCS	450492073111130	83.00
07/31/92	LCS DUP	450492073111130	81.00
08/13/92	LCS	450492081310530	42.00
08/13/92	LCS DUP	450492081310530	40.00
08/14/92	LCS	450492081410380	53.00
08/14/92	LCS DUP	450492081410380	94.00
10/12/92	LCS	450492101208290	154.00
10/12/92	LCS DUP	450492101208290	155.00
07/26/92	LCS	450192072609340	110.00
07/26/92	LCS DUP	450192072609340	108.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Carbon disulfide continued			
Type of Spike : Laboratory Control			
07/29/92	LCS	450192072907480	94.00
07/29/92	LCS DUP	450192072907480	93.00
07/30/92	LCS	450192073007290	108.00
07/30/92	LCS DUP	450192073007290	112.00
08/07/92	LCS	450192080707000	72.00
08/07/92	LCS DUP	450192080707000	65.00
08/20/92	LCS	450192082011220	101.00
08/20/92	LCS DUP	450192082011220	101.00
08/21/92	LCS	450192082108370	96.00
08/21/92	LCS DUP	450192082108370	94.00
08/24/92	LCS	450192082407320	92.00
08/24/92	LCS DUP	450192082407320	99.00
08/04/92	LCS	450292080407190	108.00
08/04/92	LCS DUP	450292080407190	100.00
08/19/92	LCS	450292081907450	87.00
08/19/92	LCS DUP	450292081907450	80.00
09/14/92	LCS	450292091407450	89.00
09/14/92	LCS DUP	450292091407450	146.00

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 100.9	Above acceptance :	0
Standard Deviation	: 23.78	Acceptance Criteria	NS

Method : SW8240  
 Spiked Analyte : Carbon tetrachloride  
 Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	113.00
07/15/92	LCS DUP	450392071508470	103.00
07/21/92	LCS	450392072113280	80.00
07/21/92	LCS DUP	450392072113280	86.00
08/05/92	LCS	450392080507550	104.00
08/05/92	LCS DUP	450392080507550	96.00
08/06/92	LCS	450392080607230	96.00
08/06/92	LCS DUP	450392080607230	92.00
08/11/92	LCS	450392081107410	88.00
08/11/92	LCS DUP	450392081107410	87.00
08/12/92	LCS	450392081209230	107.00
08/12/92	LCS DUP	450392081209230	108.00
08/13/92	LCS	450392081308360	99.00
08/13/92	LCS DUP	450392081308360	93.00
08/14/92	LCS	450392081408310	97.00
08/14/92	LCS DUP	450392081408310	92.00
08/17/92	LCS	450392081709090	92.00
08/17/92	LCS DUP	450392081709090	95.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Carbon tetrachloride continued			
Type of Spike : Laboratory Control			
08/18/92	LCS	450392081808430	91.00
08/18/92	LCS DUP	450392081808430	90.00
08/20/92	LCS	450392082008590	97.00
08/20/92	LCS DUP	450392082008590	101.00
08/21/92	LCS	450392082107510	95.00
08/21/92	LCS DUP	450392082107510	105.00
08/27/92	LCS	450392082708330	88.00
08/27/92	LCS DUP	450392082708330	88.00
08/31/92	LCS	450392083108510	87.00
08/31/92	LCS DUP	450392083108510	81.00
09/03/92	LCS	450392090308420	91.00
09/03/92	LCS DUP	450392090308420	81.00
09/04/92	LCS	450392090408590	105.00
09/04/92	LCS DUP	450392090408590	101.00
09/09/92	LCS	450392090908420	83.00
09/09/92	LCS DUP	450392090908420	95.00
09/11/92	LCS	450392091108290	82.00
09/11/92	LCS DUP	450392091108290	94.00
09/15/92	LCS	450392091508530	85.00
09/15/92	LCS DUP	450392091508530	84.00
09/16/92	LCS	450392091608440	94.00
09/16/92	LCS DUP	450392091608440	78.00
07/22/92	LCS	450492072211010	114.00
07/22/92	LCS DUP	450492072211010	108.00
07/25/92	LCS	450492072513560	117.00
07/25/92	LCS DUP	450492072513560	102.00
07/26/92	LCS	450492072612450	104.00
07/26/92	LCS DUP	450492072612450	112.00
07/31/92	LCS	450492073111130	78.00
07/31/92	LCS DUP	450492073111130	71.00
08/13/92	LCS	450492081310530	87.00
08/13/92	LCS DUP	450492081310530	80.00
08/14/92	LCS	450492081410380	81.00
08/14/92	LCS DUP	450492081410380	82.00
10/12/92	LCS	450492101208290	100.00
10/12/92	LCS DUP	450492101208290	114.00
07/26/92	LCS	450192072609340	92.00
07/26/92	LCS DUP	450192072609340	94.00
07/29/92	LCS	450192072907480	90.00
07/29/92	LCS DUP	450192072907480	92.00
07/30/92	LCS	450192073007290	91.00
07/30/92	LCS DUP	450192073007290	95.00
08/07/92	LCS	450192080707000	101.00
08/07/92	LCS DUP	450192080707000	101.00
08/20/92	LCS	450192082011220	92.00
08/20/92	LCS DUP	450192082011220	101.00
08/21/92	LCS	450192082108370	98.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Carbon tetrachloride continued			
Type of Spike : Laboratory Control			
08/21/92	LCS DUP	450192082108370	95.00
08/24/92	LCS	450192082407320	92.00
08/24/92	LCS DUP	450192082407320	89.00
08/04/92	LCS	450292080407190	87.00
08/04/92	LCS DUP	450292080407190	84.00
08/19/92	LCS	450292081907450	95.00
08/19/92	LCS DUP	450292081907450	96.00
09/14/92	LCS	450292091407450	122.00
09/14/92	LCS DUP	450292091407450	112.00

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 94.5	Above acceptance :	0
Standard Deviation	: 10.28	Acceptance Criteria	70-140

Method : SW8240  
Spiked Analyte : Chlorobenzene

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	92.00
07/15/92	LCS DUP	450392071508470	93.00
07/21/92	LCS	450392072113280	90.00
07/21/92	LCS DUP	450392072113280	90.00
08/05/92	LCS	450392080507550	90.00
08/05/92	LCS DUP	450392080507550	91.00
08/06/92	LCS	450392080607230	84.00
08/06/92	LCS DUP	450392080607230	88.00
08/11/92	LCS	450392081107410	95.00
08/11/92	LCS DUP	450392081107410	90.00
08/12/92	LCS	450392081209230	99.00
08/12/92	LCS DUP	450392081209230	95.00
08/13/92	LCS	450392081308360	95.00
08/13/92	LCS DUP	450392081308360	92.00
08/14/92	LCS	450392081408310	95.00
08/14/92	LCS DUP	450392081408310	94.00
08/17/92	LCS	450392081709090	93.00
08/17/92	LCS DUP	450392081709090	93.00
08/18/92	LCS	450392081808430	92.00
08/18/92	LCS DUP	450392081808430	91.00
08/20/92	LCS	450392082008590	92.00
08/20/92	LCS DUP	450392082008590	93.00
08/21/92	LCS	450392082107510	90.00
08/21/92	LCS DUP	450392082107510	90.00
08/27/92	LCS	450392082708330	90.00
08/27/92	LCS DUP	450392082708330	90.00
08/31/92	LCS	450392083108510	89.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Chlorobenzene continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	450392083108510	86.00
09/03/92	LCS	450392090308420	90.00
09/03/92	LCS DUP	450392090308420	90.00
09/04/92	LCS	450392090408590	96.00
09/04/92	LCS DUP	450392090408590	99.00
09/09/92	LCS	450392090908420	90.00
09/09/92	LCS DUP	450392090908420	91.00
09/11/92	LCS	450392091108290	92.00
09/11/92	LCS DUP	450392091108290	93.00
09/15/92	LCS	450392091508530	88.00
09/15/92	LCS DUP	450392091508530	90.00
09/16/92	LCS	450392091608440	94.00
09/16/92	LCS DUP	450392091608440	90.00
07/22/92	LCS	450492072211010	92.00
07/22/92	LCS DUP	450492072211010	93.00
07/25/92	LCS	450492072513560	99.00
07/25/92	LCS DUP	450492072513560	100.00
07/26/92	LCS	450492072612450	95.00
07/26/92	LCS DUP	450492072612450	94.00
07/31/92	LCS	450492073111130	92.00
07/31/92	LCS DUP	450492073111130	90.00
08/13/92	LCS	450492081310530	98.00
08/13/92	LCS DUP	450492081310530	86.00
08/14/92	LCS	450492081410380	87.00
08/14/92	LCS DUP	450492081410380	91.00
10/12/92	LCS	450492101208290	104.00
10/12/92	LCS DUP	450492101208290	97.00
07/26/92	LCS	450192072609340	97.00
07/26/92	LCS DUP	450192072609340	100.00
07/29/92	LCS	450192072907480	97.00
07/29/92	LCS DUP	450192072907480	99.00
07/30/92	LCS	450192073007290	96.00
07/30/92	LCS DUP	450192073007290	102.00
08/07/92	LCS	450192080707000	92.00
08/07/92	LCS DUP	450192080707000	85.00
08/20/92	LCS	450192082011220	92.00
08/20/92	LCS DUP	450192082011220	99.00
08/21/92	LCS	450192082108370	98.00
08/21/92	LCS DUP	450192082108370	96.00
08/24/92	LCS	450192082407320	93.00
08/24/92	LCS DUP	450192082407320	93.00
08/04/92	LCS	450292080407190	92.00
08/04/92	LCS DUP	450292080407190	96.00
08/19/92	LCS	450292081907450	99.00
08/19/92	LCS DUP	450292081907450	93.00
09/14/92	LCS	450292091407450	105.00
09/14/92	LCS DUP	450292091407450	100.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8240

Spiked Analyte : Chlorobenzene continued

Type of Spike : Laboratory Control

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8240

Spiked Analyte : Chlorobenzene continued

Type of Spike : Laboratory Control

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 93.3	Above acceptance :	0
Standard Deviation	: 4.31	Acceptance Criteria	37-160

Type of Spike : Matrix Spike

09/11/92	10-SS-02-01 MS	450392091108290	97.00
09/11/92	10-SS-02-01 MSD	450392091108290	94.00
09/16/92	01-SD-02-01 MS	450392091608440	90.00
09/16/92	01-SD-02-01 MSD	450392091608440	92.00
08/11/92	06-SD-01-01 MS	450492081108340	92.00
08/11/92	06-SD-01-01 MSD	450492081108340	98.00
08/13/92	05-MW-04-02 MS	450492081310530	96.00
08/13/92	05-MW-04-02 MSD	450492081310530	100.00
08/14/92	01-SS-07-01 MS	450492081410380	92.00
08/14/92	01-SS-07-01 MSD	450492081410380	93.00
07/27/92	10-DS-01 MS	450192072609340	106.00
07/27/92	10-DS-01 MSD	450192072609340	107.00
07/27/92	06-DS-01 MS	450192072609340	104.00
07/27/92	06-DS-01 MSD	450192072609340	101.00
07/29/92	06-DS-02 MS	450192072907480	99.00
07/29/92	06-DS-02 MSD	450192072907480	98.00
07/30/92	05-DS-01 MS	450192073007290	106.00
07/30/92	05-DS-01 MSD	450192073007290	110.00
08/07/92	05-SS-15-01 MS	450192080707000	92.00
08/07/92	05-SS-15-01 MSD	450192080707000	96.00
08/20/92	04-DS-01 MS	450192082011220	100.00
08/20/92	04-DS-01 MSD	450192082011220	98.00
08/24/92	04-SS-02-01 MS	450192082407320	113.00
08/24/92	04-SS-02-01 MSD	450192082407320	100.00
08/19/92	07-MW-03-02 MS	450292081907450	105.00
08/19/92	07-MW-03-02 MSD	450292081907450	104.00
08/21/92	07-DS-01 MS	450292082107270	104.00
08/21/92	07-DS-01 MSD	450292082107270	100.00
09/14/92	10-SS-01-01 MS	450292091407450	102.00
09/14/92	10-SS-01-01 MSD	450292091407450	95.00

Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 99.5	Above acceptance :	0
Standard Deviation	: 5.81	Acceptance Criteria	37-160

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Chloroethane			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	80.00
07/15/92	LCS DUP	450392071508470	94.00
07/21/92	LCS	450392072113280	95.00
07/21/92	LCS DUP	450392072113280	97.00
08/05/92	LCS	450392080507550	58.00
08/05/92	LCS DUP	450392080507550	66.00
08/06/92	LCS	450392080607230	84.00
08/06/92	LCS DUP	450392080607230	107.00
08/11/92	LCS	450392081107410	94.00
08/11/92	LCS DUP	450392081107410	90.00
08/12/92	LCS	450392081209230	96.00
08/12/92	LCS DUP	450392081209230	100.00
08/13/92	LCS	450392081308360	87.00
08/13/92	LCS DUP	450392081308360	80.00
08/14/92	LCS	450392081408310	76.00
08/14/92	LCS DUP	450392081408310	85.00
08/17/92	LCS	450392081709090	88.00
08/17/92	LCS DUP	450392081709090	87.00
08/18/92	LCS	450392081808430	95.00
08/18/92	LCS DUP	450392081808430	92.00
08/20/92	LCS	450392082008590	89.00
08/20/92	LCS DUP	450392082008590	83.00
08/21/92	LCS	450392082107510	86.00
08/21/92	LCS DUP	450392082107510	87.00
08/27/92	LCS	450392082708330	84.00
08/27/92	LCS DUP	450392082708330	92.00
08/31/92	LCS	450392083108510	87.00
08/31/92	LCS DUP	450392083108510	96.00
09/03/92	LCS	450392090308420	94.00
09/03/92	LCS DUP	450392090308420	93.00
09/04/92	LCS	450392090408590	119.00
09/04/92	LCS DUP	450392090408590	114.00
09/09/92	LCS	450392090908420	107.00
09/09/92	LCS DUP	450392090908420	99.00
09/11/92	LCS	450392091108290	80.00
09/11/92	LCS DUP	450392091108290	91.00
09/15/92	LCS	450392091508530	79.00
09/15/92	LCS DUP	450392091508530	76.00
09/16/92	LCS	450392091608440	97.00
09/16/92	LCS DUP	450392091608440	95.00
07/22/92	LCS	450492072211010	73.00
07/22/92	LCS DUP	450492072211010	63.00
07/25/92	LCS	450492072513560	88.00
07/25/92	LCS DUP	450492072513560	89.00
07/26/92	LCS	450492072612450	104.00
07/26/92	LCS DUP	450492072612450	103.00
07/31/92	LCS	450492073111130	93.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Chloroethane continued			
Type of Spike : Laboratory Control			
07/31/92	LCS DUP	450492073111130	88.00
08/13/92	LCS	450492081310530	71.00
08/13/92	LCS DUP	450492081310530	77.00
08/14/92	LCS	450492081410380	85.00
08/14/92	LCS DUP	450492081410380	87.00
10/12/92	LCS	450492101208290	77.00
10/12/92	LCS DUP	450492101208290	78.00
07/26/92	LCS	450192072609340	78.00
07/26/92	LCS DUP	450192072609340	80.00
07/29/92	LCS	450192072907480	88.00
07/29/92	LCS DUP	450192072907480	89.00
07/30/92	LCS	450192073007290	100.00
07/30/92	LCS DUP	450192073007290	100.00
08/07/92	LCS	450192080707000	53.00
08/07/92	LCS DUP	450192080707000	40.00
08/20/92	LCS	450192082011220	75.00
08/20/92	LCS DUP	450192082011220	76.00
08/21/92	LCS	450192082108370	69.00
08/21/92	LCS DUP	450192082108370	70.00
08/24/92	LCS	450192082407320	76.00
08/24/92	LCS DUP	450192082407320	79.00
08/04/92	LCS	450292080407190	97.00
08/04/92	LCS DUP	450292080407190	102.00
08/19/92	LCS	450292081907450	86.00
08/19/92	LCS DUP	450292081907450	66.00
09/14/92	LCS	450292091407450	92.00
09/14/92	LCS DUP	450292091407450	76.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 86.0	Above acceptance :	0
Standard Deviation	: 13.40	Acceptance Criteria	NS

Method : SW8240  
 Spiked Analyte : Chloroform  
 Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	114.00
07/15/92	LCS DUP	450392071508470	121.00
07/21/92	LCS	450392072113280	105.00
07/21/92	LCS DUP	450392072113280	105.00
08/05/92	LCS	450392080507550	106.00
08/05/92	LCS DUP	450392080507550	105.00
08/06/92	LCS	450392080607230	99.00
08/06/92	LCS DUP	450392080607230	106.00
08/11/92	LCS	450392081107410	108.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Chloroform continued			
Type of Spike : Laboratory Control			
08/11/92	LCS DUP	450392081107410	100.00
08/12/92	LCS	450392081209230	135.00
08/12/92	LCS DUP	450392081209230	123.00
08/13/92	LCS	450392081308360	112.00
08/13/92	LCS DUP	450392081308360	113.00
08/14/92	LCS	450392081408310	100.00
08/14/92	LCS DUP	450392081408310	115.00
08/17/92	LCS	450392081709090	100.00
08/17/92	LCS DUP	450392081709090	107.00
08/18/92	LCS	450392081808430	101.00
08/18/92	LCS DUP	450392081808430	105.00
08/20/92	LCS	450392082008590	120.00
08/20/92	LCS DUP	450392082008590	113.00
08/21/92	LCS	450392082107510	113.00
08/21/92	LCS DUP	450392082107510	119.00
08/27/92	LCS	450392082708330	102.00
08/27/92	LCS DUP	450392082708330	114.00
08/31/92	LCS	450392083108510	102.00
08/31/92	LCS DUP	450392083108510	102.00
09/03/92	LCS	450392090308420	106.00
09/03/92	LCS DUP	450392090308420	115.00
09/04/92	LCS	450392090408590	120.00
09/04/92	LCS DUP	450392090408590	125.00
09/09/92	LCS	450392090908420	111.00
09/09/92	LCS DUP	450392090908420	112.00
09/11/92	LCS	450392091108290	105.00
09/11/92	LCS DUP	450392091108290	106.00
09/15/92	LCS	450392091508530	106.00
09/15/92	LCS DUP	450392091508530	112.00
09/16/92	LCS	450392091608440	109.00
09/16/92	LCS DUP	450392091608440	112.00
07/22/92	LCS	450492072211010	124.00
07/22/92	LCS DUP	450492072211010	116.00
07/25/92	LCS	450492072513560	124.00
07/25/92	LCS DUP	450492072513560	120.00
07/26/92	LCS	450492072612450	111.00
07/26/92	LCS DUP	450492072612450	122.00
07/31/92	LCS	450492073111130	98.00
07/31/92	LCS DUP	450492073111130	98.00
08/13/92	LCS	450492081310530	109.00
08/13/92	LCS DUP	450492081310530	103.00
08/14/92	LCS	450492081410380	99.00
08/14/92	LCS DUP	450492081410380	105.00
10/12/92	LCS	450492101208290	123.00
10/12/92	LCS DUP	450492101208290	123.00
07/26/92	LCS	450192072609340	118.00
07/26/92	LCS DUP	450192072609340	121.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Chloroform continued			
Type of Spike : Laboratory Control			
07/29/92	LCS	450192072907480	118.00
07/29/92	LCS DUP	450192072907480	125.00
07/30/92	LCS	450192073007290	114.00
07/30/92	LCS DUP	450192073007290	117.00
08/07/92	LCS	450192080707000	109.00
08/07/92	LCS DUP	450192080707000	91.00
08/20/92	LCS	450192082011220	109.00
08/20/92	LCS DUP	450192082011220	118.00
08/21/92	LCS	450192082108370	111.00
08/21/92	LCS DUP	450192082108370	108.00
08/24/92	LCS	450192082407320	106.00
08/24/92	LCS DUP	450192082407320	105.00
08/04/92	LCS	450292080407190	102.00
08/04/92	LCS DUP	450292080407190	106.00
08/19/92	LCS	450292081907450	116.00
08/19/92	LCS DUP	450292081907450	109.00
09/14/92	LCS	450292091407450	120.00
09/14/92	LCS DUP	450292091407450	112.00

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 111.0	Above acceptance :	0
Standard Deviation	: 8.37	Acceptance Criteria	51-138

Method : SW8240  
Spiked Analyte : Chloromethane

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	123.00
07/15/92	LCS DUP	450392071508470	122.00
07/21/92	LCS	450392072113280	77.00
07/21/92	LCS DUP	450392072113280	78.00
08/05/92	LCS	450392080507550	86.00
08/05/92	LCS DUP	450392080507550	77.00
08/06/92	LCS	450392080607230	88.00
08/06/92	LCS DUP	450392080607230	97.00
08/11/92	LCS	450392081107410	111.00
08/11/92	LCS DUP	450392081107410	97.00
08/12/92	LCS	450392081209230	108.00
08/12/92	LCS DUP	450392081209230	96.00
08/13/92	LCS	450392081308360	89.00
08/13/92	LCS DUP	450392081308360	83.00
08/14/92	LCS	450392081408310	71.00
08/14/92	LCS DUP	450392081408310	87.00
08/17/92	LCS	450392081709090	84.00
08/17/92	LCS DUP	450392081709090	102.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Chloromethane continued			
Type of Spike : Laboratory Control			
08/18/92	LCS	450392081808430	80.00
08/18/92	LCS DUP	450392081808430	78.00
08/20/92	LCS	450392082008590	114.00
08/20/92	LCS DUP	450392082008590	104.00
08/21/92	LCS	450392082107510	90.00
08/21/92	LCS DUP	450392082107510	104.00
08/27/92	LCS	450392082708330	93.00
08/27/92	LCS DUP	450392082708330	86.00
08/31/92	LCS	450392083108510	89.00
08/31/92	LCS DUP	450392083108510	86.00
09/03/92	LCS	450392090308420	93.00
09/03/92	LCS DUP	450392090308420	98.00
09/04/92	LCS	450392090408590	126.00
09/04/92	LCS DUP	450392090408590	133.00
09/09/92	LCS	450392090908420	126.00
09/09/92	LCS DUP	450392090908420	110.00
09/11/92	LCS	450392091108290	110.00
09/11/92	LCS DUP	450392091108290	108.00
09/15/92	LCS	450392091508530	84.00
09/15/92	LCS DUP	450392091508530	90.00
09/16/92	LCS	450392091608440	107.00
09/16/92	LCS DUP	450392091608440	100.00
07/22/92	LCS	450492072211010	53.00
07/22/92	LCS DUP	450492072211010	53.00
07/25/92	LCS	450492072513560	74.00
07/25/92	LCS DUP	450492072513560	61.00
07/26/92	LCS	450492072612450	98.00
07/26/92	LCS DUP	450492072612450	113.00
07/31/92	LCS	450492073111130	62.00
07/31/92	LCS DUP	450492073111130	59.00
08/13/92	LCS	450492081310530	65.00
08/13/92	LCS DUP	450492081310530	70.00
08/14/92	LCS	450492081410380	67.00
08/14/92	LCS DUP	450492081410380	72.00
10/12/92	LCS	450492101208290	82.00
10/12/92	LCS DUP	450492101208290	80.00
07/26/92	LCS	450192072609340	70.00
07/26/92	LCS DUP	450192072609340	69.00
07/29/92	LCS	450192072907480	90.00
07/29/92	LCS DUP	450192072907480	89.00
07/30/92	LCS	450192073007290	126.00
07/30/92	LCS DUP	450192073007290	127.00
08/07/92	LCS	450192080707000	33.00
08/07/92	LCS DUP	450192080707000	25.00
08/20/92	LCS	450192082011220	77.00
08/20/92	LCS DUP	450192082011220	79.00
08/21/92	LCS	450192082108370	72.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Chloromethane continued			
Type of Spike : Laboratory Control			
08/21/92	LCS DUP	450192082108370	74.00
08/24/92	LCS	450192082407320	99.00
08/24/92	LCS DUP	450192082407320	99.00
08/04/92	LCS	450292080407190	95.00
08/04/92	LCS DUP	450292080407190	96.00
08/19/92	LCS	450292081907450	91.00
08/19/92	LCS DUP	450292081907450	87.00
09/14/92	LCS	450292091407450	104.00
09/14/92	LCS DUP	450292091407450	107.00

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 89.2	Above acceptance :	0
Standard Deviation	: 20.99	Acceptance Criteria	D-273

Method : SW8240  
Spiked Analyte : Dibromochloromethane

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	101.00
07/15/92	LCS DUP	450392071508470	100.00
07/21/92	LCS	450392072113280	93.00
07/21/92	LCS DUP	450392072113280	89.00
08/05/92	LCS	450392080507550	99.00
08/05/92	LCS DUP	450392080507550	99.00
08/06/92	LCS	450392080607230	91.00
08/06/92	LCS DUP	450392080607230	96.00
08/11/92	LCS	450392081107410	103.00
08/11/92	LCS DUP	450392081107410	96.00
08/12/92	LCS	450392081209230	101.00
08/12/92	LCS DUP	450392081209230	102.00
08/13/92	LCS	450392081308360	102.00
08/13/92	LCS DUP	450392081308360	102.00
08/14/92	LCS	450392081408310	100.00
08/14/92	LCS DUP	450392081408310	92.00
08/17/92	LCS	450392081709090	102.00
08/17/92	LCS DUP	450392081709090	102.00
08/18/92	LCS	450392081808430	103.00
08/18/92	LCS DUP	450392081808430	96.00
08/20/92	LCS	450392082008590	96.00
08/20/92	LCS DUP	450392082008590	100.00
08/21/92	LCS	450392082107510	97.00
08/21/92	LCS DUP	450392082107510	91.00
08/27/92	LCS	450392082708330	95.00
08/27/92	LCS DUP	450392082708330	93.00
08/31/92	LCS	450392083108510	92.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Dibromochloromethane continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	450392083108510	87.00
09/03/92	LCS	450392090308420	92.00
09/03/92	LCS DUP	450392090308420	94.00
09/04/92	LCS	450392090408590	101.00
09/04/92	LCS DUP	450392090408590	108.00
09/09/92	LCS	450392090908420	99.00
09/09/92	LCS DUP	450392090908420	95.00
09/11/92	LCS	450392091108290	93.00
09/11/92	LCS DUP	450392091108290	94.00
09/15/92	LCS	450392091508530	86.00
09/15/92	LCS DUP	450392091508530	86.00
09/16/92	LCS	450392091608440	86.00
09/16/92	LCS DUP	450392091608440	86.00
07/22/92	LCS	450492072211010	104.00
07/22/92	LCS DUP	450492072211010	99.00
07/25/92	LCS	450492072513560	103.00
07/25/92	LCS DUP	450492072513560	106.00
07/26/92	LCS	450492072612450	94.00
07/26/92	LCS DUP	450492072612450	93.00
07/31/92	LCS	450492073111130	96.00
07/31/92	LCS DUP	450492073111130	94.00
08/13/92	LCS	450492081310530	97.00
08/13/92	LCS DUP	450492081310530	88.00
08/14/92	LCS	450492081410380	89.00
08/14/92	LCS DUP	450492081410380	90.00
10/12/92	LCS	450492101208290	112.00
10/12/92	LCS DUP	450492101208290	115.00
07/26/92	LCS	450192072609340	94.00
07/26/92	LCS DUP	450192072609340	96.00
07/29/92	LCS	450192072907480	90.00
07/29/92	LCS DUP	450192072907480	93.00
07/30/92	LCS	450192073007290	91.00
07/30/92	LCS DUP	450192073007290	95.00
08/07/92	LCS	450192080707000	103.00
08/07/92	LCS DUP	450192080707000	97.00
08/20/92	LCS	450192082011220	96.00
08/20/92	LCS DUP	450192082011220	107.00
08/21/92	LCS	450192082108370	102.00
08/21/92	LCS DUP	450192082108370	100.00
08/24/92	LCS	450192082407320	99.00
08/24/92	LCS DUP	450192082407320	97.00
08/04/92	LCS	450292080407190	71.00
08/04/92	LCS DUP	450292080407190	77.00
08/19/92	LCS	450292081907450	98.00
08/19/92	LCS DUP	450292081907450	96.00
09/14/92	LCS	450292091407450	129.00
09/14/92	LCS DUP	450292091407450	119.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8240

Spiked Analyte : Dibromochloromethane continued

Type of Spike : Laboratory Control

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Dibromochloromethane continued			
Type of Spike : Laboratory Control			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 96.9	Above acceptance :	0
Standard Deviation	: 8.36	Acceptance Criteria	53-149
Method : SW8240			
Spiked Analyte : Ethyl benzene			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	98.00
07/15/92	LCS DUP	450392071508470	97.00
07/21/92	LCS	450392072113280	98.00
07/21/92	LCS DUP	450392072113280	96.00
08/05/92	LCS	450392080507550	96.00
08/05/92	LCS DUP	450392080507550	94.00
08/06/92	LCS	450392080607230	88.00
08/06/92	LCS DUP	450392080607230	95.00
08/11/92	LCS	450392081107410	100.00
08/11/92	LCS DUP	450392081107410	93.00
08/12/92	LCS	450392081209230	107.00
08/12/92	LCS DUP	450392081209230	104.00
08/13/92	LCS	450392081308360	101.00
08/13/92	LCS DUP	450392081308360	100.00
08/14/92	LCS	450392081408310	102.00
08/14/92	LCS DUP	450392081408310	104.00
08/17/92	LCS	450392081709090	100.00
08/17/92	LCS DUP	450392081709090	96.00
08/18/92	LCS	450392081808430	100.00
08/18/92	LCS DUP	450392081808430	101.00
08/20/92	LCS	450392082008590	104.00
08/20/92	LCS DUP	450392082008590	103.00
08/21/92	LCS	450392082107510	102.00
08/21/92	LCS DUP	450392082107510	102.00
08/27/92	LCS	450392082708330	101.00
08/27/92	LCS DUP	450392082708330	100.00
08/31/92	LCS	450392083108510	98.00
08/31/92	LCS DUP	450392083108510	92.00
09/03/92	LCS	450392090308420	100.00
09/03/92	LCS DUP	450392090308420	101.00
09/04/92	LCS	450392090408590	106.00
09/04/92	LCS DUP	450392090408590	113.00
09/09/92	LCS	450392090908420	101.00
09/09/92	LCS DUP	450392090908420	94.00
09/11/92	LCS	450392091108290	96.00
09/11/92	LCS DUP	450392091108290	99.00
09/15/92	LCS	450392091508530	95.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Ethyl benzene continued			
Type of Spike : Laboratory Control			
09/15/92	LCS DUP	450392091508530	98.00
09/16/92	LCS	450392091608440	100.00
09/16/92	LCS DUP	450392091608440	101.00
07/22/92	LCS	450492072211010	96.00
07/22/92	LCS DUP	450492072211010	93.00
07/25/92	LCS	450492072513560	105.00
07/25/92	LCS DUP	450492072513560	107.00
07/26/92	LCS	450492072612450	99.00
07/26/92	LCS DUP	450492072612450	100.00
07/31/92	LCS	450492073111130	103.00
07/31/92	LCS DUP	450492073111130	98.00
08/13/92	LCS	450492081310530	106.00
08/13/92	LCS DUP	450492081310530	91.00
08/14/92	LCS	450492081410380	96.00
08/14/92	LCS DUP	450492081410380	95.00
10/12/92	LCS	450492101208290	110.00
10/12/92	LCS DUP	450492101208290	107.00
07/26/92	LCS	450192072609340	105.00
07/26/92	LCS DUP	450192072609340	108.00
07/29/92	LCS	450192072907480	104.00
07/29/92	LCS DUP	450192072907480	108.00
07/30/92	LCS	450192073007290	104.00
07/30/92	LCS DUP	450192073007290	108.00
08/07/92	LCS	450192080707000	80.00
08/07/92	LCS DUP	450192080707000	76.00
08/20/92	LCS	450192082011220	96.00
08/20/92	LCS DUP	450192082011220	102.00
08/21/92	LCS	450192082108370	103.00
08/21/92	LCS DUP	450192082108370	100.00
08/24/92	LCS	450192082407320	96.00
08/24/92	LCS DUP	450192082407320	96.00
08/04/92	LCS	450292080407190	115.00
08/04/92	LCS DUP	450292080407190	121.00
08/19/92	LCS	450292081907450	102.00
08/19/92	LCS DUP	450292081907450	94.00
09/14/92	LCS	450292091407450	100.00
09/14/92	LCS DUP	450292091407450	89.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 99.9	Above acceptance :	0
Standard Deviation	: 6.79	Acceptance Criteria	37-162

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Methyl ethyl ketone			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	121.00
07/15/92	LCS DUP	450392071508470	98.00
07/21/92	LCS	450392072113280	97.00
07/21/92	LCS DUP	450392072113280	98.00
08/05/92	LCS	450392080507550	63.00
08/05/92	LCS DUP	450392080507550	59.00
08/06/92	LCS	450392080607230	49.00
08/06/92	LCS DUP	450392080607230	69.00
08/11/92	LCS	450392081107410	62.00
08/11/92	LCS DUP	450392081107410	46.00
08/12/92	LCS	450392081209230	71.00
08/12/92	LCS DUP	450392081209230	67.00
08/13/92	LCS	450392081308360	51.00
08/13/92	LCS DUP	450392081308360	54.00
08/14/92	LCS	450392081408310	47.00
08/14/92	LCS DUP	450392081408310	54.00
08/17/92	LCS	450392081709090	50.00
08/17/92	LCS DUP	450392081709090	49.00
08/18/92	LCS	450392081808430	48.00
08/18/92	LCS DUP	450392081808430	50.00
08/20/92	LCS	450392082008590	58.00
08/20/92	LCS DUP	450392082008590	60.00
08/21/92	LCS	450392082107510	53.00
08/21/92	LCS DUP	450392082107510	28.00
08/27/92	LCS	450392082708330	50.00
08/27/92	LCS DUP	450392082708330	52.00
08/31/92	LCS	450392083108510	54.00
08/31/92	LCS DUP	450392083108510	39.00
09/03/92	LCS	450392090308420	54.00
09/03/92	LCS DUP	450392090308420	58.00
09/04/92	LCS	450392090408590	60.00
09/04/92	LCS DUP	450392090408590	62.00
09/09/92	LCS	450392090908420	91.00
09/09/92	LCS DUP	450392090908420	85.00
09/11/92	LCS	450392091108290	40.00
09/11/92	LCS DUP	450392091108290	48.00
09/15/92	LCS	450392091508530	43.00
09/15/92	LCS DUP	450392091508530	49.00
09/16/92	LCS	450392091608440	59.00
09/16/92	LCS DUP	450392091608440	59.00
07/22/92	LCS	450492072211010	70.00
07/22/92	LCS DUP	450492072211010	69.00
07/25/92	LCS	450492072513560	81.00
07/25/92	LCS DUP	450492072513560	79.00
07/26/92	LCS	450492072612450	72.00
07/26/92	LCS DUP	450492072612450	70.00
07/31/92	LCS	450492073111130	80.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Methyl ethyl ketone continued			
Type of Spike : Laboratory Control			
07/31/92	LCS DUP	450492073111130	71.00
08/13/92	LCS	450492081310530	60.00
08/13/92	LCS DUP	450492081310530	56.00
08/14/92	LCS	450492081410380	64.00
08/14/92	LCS DUP	450492081410380	67.00
10/12/92	LCS	450492101208290	88.00
10/12/92	LCS DUP	450492101208290	87.00
07/26/92	LCS	450192072609340	100.00
07/26/92	LCS DUP	450192072609340	119.00
07/29/92	LCS	450192072907480	87.00
07/29/92	LCS DUP	450192072907480	60.00
07/30/92	LCS	450192073007290	102.00
07/30/92	LCS DUP	450192073007290	99.00
08/07/92	LCS	450192080707000	81.00
08/07/92	LCS DUP	450192080707000	89.00
08/20/92	LCS	450192082011220	60.00
08/20/92	LCS DUP	450192082011220	106.00
08/21/92	LCS	450192082108370	98.00
08/21/92	LCS DUP	450192082108370	113.00
08/24/92	LCS	450192082407320	85.00
08/24/92	LCS DUP	450192082407320	80.00
08/04/92	LCS	450292080407190	98.00
08/04/92	LCS DUP	450292080407190	93.00
08/19/92	LCS	450292081907450	128.00
08/19/92	LCS DUP	450292081907450	157.00
09/14/92	LCS	450292091407450	98.00
09/14/92	LCS DUP	450292091407450	70.00

Number of Samples	: 74	Below acceptance :	21
Mean % Recovery	: 72.2	Above acceptance :	2
Standard Deviation	: 23.95	Acceptance Criteria	55-127

Method : SW8240  
Spiked Analyte : Methylene chloride

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	122.00
07/15/92	LCS DUP	450392071508470	124.00
07/21/92	LCS	450392072113280	131.00
07/21/92	LCS DUP	450392072113280	124.00
08/05/92	LCS	450392080507550	101.00
08/05/92	LCS DUP	450392080507550	98.00
08/06/92	LCS	450392080607230	105.00
08/06/92	LCS DUP	450392080607230	104.00
08/11/92	LCS	450392081107410	120.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Methylene chloride continued			
Type of Spike : Laboratory Control			
08/11/92	LCS DUP	450392081107410	102.00
08/12/92	LCS	450392081209230	115.00
08/12/92	LCS DUP	450392081209230	130.00
08/13/92	LCS	450392081308360	111.00
08/13/92	LCS DUP	450392081308360	118.00
08/14/92	LCS	450392081408310	96.00
08/14/92	LCS DUP	450392081408310	103.00
08/17/92	LCS	450392081709090	102.00
08/17/92	LCS DUP	450392081709090	111.00
08/18/92	LCS	450392081808430	107.00
08/18/92	LCS DUP	450392081808430	104.00
08/20/92	LCS	450392082008590	106.00
08/20/92	LCS DUP	450392082008590	115.00
08/21/92	LCS	450392082107510	106.00
08/21/92	LCS DUP	450392082107510	117.00
08/27/92	LCS	450392082708330	88.00
08/27/92	LCS DUP	450392082708330	109.00
08/31/92	LCS	450392083108510	102.00
08/31/92	LCS DUP	450392083108510	88.00
09/03/92	LCS	450392090308420	112.00
09/03/92	LCS DUP	450392090308420	98.00
09/04/92	LCS	450392090408590	130.00
09/04/92	LCS DUP	450392090408590	116.00
09/09/92	LCS	450392090908420	105.00
09/09/92	LCS DUP	450392090908420	110.00
09/11/92	LCS	450392091108290	100.00
09/11/92	LCS DUP	450392091108290	97.00
09/15/92	LCS	450392091508530	102.00
09/15/92	LCS DUP	450392091508530	105.00
09/16/92	LCS	450392091608440	111.00
09/16/92	LCS DUP	450392091608440	103.00
07/22/92	LCS	450492072211010	120.00
07/22/92	LCS DUP	450492072211010	115.00
07/25/92	LCS	450492072513560	135.00
07/25/92	LCS DUP	450492072513560	135.00
07/26/92	LCS	450492072612450	118.00
07/26/92	LCS DUP	450492072612450	148.00
07/31/92	LCS	450492073111130	119.00
07/31/92	LCS DUP	450492073111130	108.00
08/13/92	LCS	450492081310530	111.00
08/13/92	LCS DUP	450492081310530	114.00
08/14/92	LCS	450492081410380	127.00
08/14/92	LCS DUP	450492081410380	134.00
10/12/92	LCS	450492101208290	124.00
10/12/92	LCS DUP	450492101208290	135.00
07/26/92	LCS	450192072609340	99.00
07/26/92	LCS DUP	450192072609340	102.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Methylene chloride continued			
Type of Spike : Laboratory Control			
07/29/92	LCS	450192072907480	104.00
07/29/92	LCS DUP	450192072907480	108.00
07/30/92	LCS	450192073007290	106.00
07/30/92	LCS DUP	450192073007290	106.00
08/07/92	LCS	450192080707000	76.00
08/07/92	LCS DUP	450192080707000	61.00
08/20/92	LCS	450192082011220	108.00
08/20/92	LCS DUP	450192082011220	111.00
08/21/92	LCS	450192082108370	100.00
08/21/92	LCS DUP	450192082108370	95.00
08/24/92	LCS	450192082407320	86.00
08/24/92	LCS DUP	450192082407320	91.00
08/04/92	LCS	450292080407190	93.00
08/04/92	LCS DUP	450292080407190	95.00
08/19/92	LCS	450292081907450	111.00
08/19/92	LCS DUP	450292081907450	96.00
09/14/92	LCS	450292091407450	120.00
09/14/92	LCS DUP	450292091407450	118.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 109.1	Above acceptance :	0
Standard Deviation	: 14.34	Acceptance Criteria	D-221

Method : SW8240  
Spiked Analyte : Styrene

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	100.00
07/15/92	LCS DUP	450392071508470	100.00
07/21/92	LCS	450392072113280	98.00
07/21/92	LCS DUP	450392072113280	94.00
08/05/92	LCS	450392080507550	100.00
08/05/92	LCS DUP	450392080507550	100.00
08/06/92	LCS	450392080607230	92.00
08/06/92	LCS DUP	450392080607230	99.00
08/11/92	LCS	450392081107410	98.00
08/11/92	LCS DUP	450392081107410	96.00
08/12/92	LCS	450392081209230	107.00
08/12/92	LCS DUP	450392081209230	107.00
08/13/92	LCS	450392081308360	100.00
08/13/92	LCS DUP	450392081308360	101.00
08/14/92	LCS	450392081408310	104.00
08/14/92	LCS DUP	450392081408310	97.00
08/17/92	LCS	450392081709090	105.00
08/17/92	LCS DUP	450392081709090	102.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Styrene continued			
Type of Spike : Laboratory Control			
08/18/92	LCS	450392081808430	101.00
08/18/92	LCS DUP	450392081808430	100.00
08/20/92	LCS	450392082008590	98.00
08/20/92	LCS DUP	450392082008590	102.00
08/21/92	LCS	450392082107510	100.00
08/21/92	LCS DUP	450392082107510	101.00
08/27/92	LCS	450392082708330	100.00
08/27/92	LCS DUP	450392082708330	99.00
08/31/92	LCS	450392083108510	98.00
08/31/92	LCS DUP	450392083108510	94.00
09/03/92	LCS	450392090308420	99.00
09/03/92	LCS DUP	450392090308420	103.00
09/04/92	LCS	450392090408590	104.00
09/04/92	LCS DUP	450392090408590	111.00
09/09/92	LCS	450392090908420	103.00
09/09/92	LCS DUP	450392090908420	96.00
09/11/92	LCS	450392091108290	101.00
09/11/92	LCS DUP	450392091108290	103.00
09/15/92	LCS	450392091508530	99.00
09/15/92	LCS DUP	450392091508530	98.00
09/16/92	LCS	450392091608440	99.00
09/16/92	LCS DUP	450392091608440	96.00
07/22/92	LCS	450492072211010	119.00
07/22/92	LCS DUP	450492072211010	117.00
07/25/92	LCS	450492072513560	121.00
07/25/92	LCS DUP	450492072513560	129.00
07/26/92	LCS	450492072612450	119.00
07/26/92	LCS DUP	450492072612450	126.00
07/31/92	LCS	450492073111130	124.00
07/31/92	LCS DUP	450492073111130	120.00
08/13/92	LCS	450492081310530	100.00
08/13/92	LCS DUP	450492081310530	92.00
08/14/92	LCS	450492081410380	90.00
08/14/92	LCS DUP	450492081410380	95.00
10/12/92	LCS	450492101208290	121.00
10/12/92	LCS DUP	450492101208290	111.00
07/26/92	LCS	450192072609340	120.00
07/26/92	LCS DUP	450192072609340	121.00
07/29/92	LCS	450192072907480	124.00
07/29/92	LCS DUP	450192072907480	125.00
07/30/92	LCS	450192073007290	127.00
07/30/92	LCS DUP	450192073007290	126.00
08/07/92	LCS	450192080707000	78.00
08/07/92	LCS DUP	450192080707000	74.00
08/20/92	LCS	450192082011220	107.00
08/20/92	LCS DUP	450192082011220	115.00
08/21/92	LCS	450192082108370	112.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Styrene continued			
Type of Spike : Laboratory Control			
08/21/92	LCS DUP	450192082108370	119.00
08/24/92	LCS	450192082407320	115.00
08/24/92	LCS DUP	450192082407320	112.00
08/04/92	LCS	450292080407190	157.00
08/04/92	LCS DUP	450292080407190	173.00
08/19/92	LCS	450292081907450	111.00
08/19/92	LCS DUP	450292081907450	102.00
09/14/92	LCS	450292091407450	118.00
09/14/92	LCS DUP	450292091407450	114.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 107.3	Above acceptance :	0
Standard Deviation	: 14.93	Acceptance Criteria	NS
Method : SW8240			
Spiked Analyte : Tetrachloroethene			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	105.00
07/15/92	LCS DUP	450392071508470	102.00
07/21/92	LCS	450392072113280	94.00
07/21/92	LCS DUP	450392072113280	97.00
08/05/92	LCS	450392080507550	96.00
08/05/92	LCS DUP	450392080507550	100.00
08/06/92	LCS	450392080607230	92.00
08/06/92	LCS DUP	450392080607230	95.00
08/11/92	LCS	450392081107410	100.00
08/11/92	LCS DUP	450392081107410	96.00
08/12/92	LCS	450392081209230	107.00
08/12/92	LCS DUP	450392081209230	100.00
08/13/92	LCS	450392081308360	100.00
08/13/92	LCS DUP	450392081308360	97.00
08/14/92	LCS	450392081408310	97.00
08/14/92	LCS DUP	450392081408310	98.00
08/17/92	LCS	450392081709090	101.00
08/17/92	LCS DUP	450392081709090	98.00
08/18/92	LCS	450392081808430	99.00
08/18/92	LCS DUP	450392081808430	95.00
08/20/92	LCS	450392082008590	94.00
08/20/92	LCS DUP	450392082008590	98.00
08/21/92	LCS	450392082107510	90.00
08/21/92	LCS DUP	450392082107510	92.00
08/27/92	LCS	450392082708330	90.00
08/27/92	LCS DUP	450392082708330	89.00
08/31/92	LCS	450392083108510	84.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Tetrachloroethene continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	450392083108510	86.00
09/03/92	LCS	450392090308420	86.00
09/03/92	LCS DUP	450392090308420	88.00
09/04/92	LCS	450392090408590	92.00
09/04/92	LCS DUP	450392090408590	93.00
09/09/92	LCS	450392090908420	93.00
09/09/92	LCS DUP	450392090908420	91.00
09/11/92	LCS	450392091108290	93.00
09/11/92	LCS DUP	450392091108290	94.00
09/15/92	LCS	450392091508530	90.00
09/15/92	LCS DUP	450392091508530	92.00
09/16/92	LCS	450392091608440	94.00
09/16/92	LCS DUP	450392091608440	91.00
07/22/92	LCS	450492072211010	104.00
07/22/92	LCS DUP	450492072211010	100.00
07/25/92	LCS	450492072513560	101.00
07/25/92	LCS DUP	450492072513560	104.00
07/26/92	LCS	450492072612450	93.00
07/26/92	LCS DUP	450492072612450	96.00
07/31/92	LCS	450492073111130	95.00
07/31/92	LCS DUP	450492073111130	88.00
08/13/92	LCS	450492081310530	105.00
08/13/92	LCS DUP	450492081310530	89.00
08/14/92	LCS	450492081410380	100.00
08/14/92	LCS DUP	450492081410380	97.00
10/12/92	LCS	450492101208290	109.00
10/12/92	LCS DUP	450492101208290	113.00
07/26/92	LCS	450192072609340	88.00
07/26/92	LCS DUP	450192072609340	90.00
07/29/92	LCS	450192072907480	86.00
07/29/92	LCS DUP	450192072907480	87.00
07/30/92	LCS	450192073007290	87.00
07/30/92	LCS DUP	450192073007290	85.00
08/07/92	LCS	450192080707000	122.00
08/07/92	LCS DUP	450192080707000	131.00
08/20/92	LCS	450192082011220	94.00
08/20/92	LCS DUP	450192082011220	96.00
08/21/92	LCS	450192082108370	98.00
08/21/92	LCS DUP	450192082108370	96.00
08/24/92	LCS	450192082407320	95.00
08/24/92	LCS DUP	450192082407320	98.00
08/04/92	LCS	450292080407190	83.00
08/04/92	LCS DUP	450292080407190	89.00
08/19/92	LCS	450292081907450	102.00
08/19/92	LCS DUP	450292081907450	100.00
09/14/92	LCS	450292091407450	109.00
09/14/92	LCS DUP	450292091407450	107.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8240

Spiked Analyte : Tetrachloroethene continued

Type of Spike : Laboratory Control

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Tetrachloroethene continued			
Type of Spike : Laboratory Control			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 96.3	Above acceptance :	0
Standard Deviation	: 8.17	Acceptance Criteria	64-148
Method : SW8240			
Spiked Analyte : Toluene			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	101.00
07/15/92	LCS DUP	450392071508470	104.00
07/21/92	LCS	450392072113280	102.00
07/21/92	LCS DUP	450392072113280	95.00
08/05/92	LCS	450392080507550	106.00
08/05/92	LCS DUP	450392080507550	104.00
08/06/92	LCS	450392080607230	100.00
08/06/92	LCS DUP	450392080607230	99.00
08/11/92	LCS	450392081107410	116.00
08/11/92	LCS DUP	450392081107410	108.00
08/12/92	LCS	450392081209230	121.00
08/12/92	LCS DUP	450392081209230	120.00
08/13/92	LCS	450392081308360	109.00
08/13/92	LCS DUP	450392081308360	109.00
08/14/92	LCS	450392081408310	116.00
08/14/92	LCS DUP	450392081408310	113.00
08/17/92	LCS	450392081709090	110.00
08/17/92	LCS DUP	450392081709090	108.00
08/18/92	LCS	450392081808430	104.00
08/18/92	LCS DUP	450392081808430	106.00
08/20/92	LCS	450392082008590	103.00
08/20/92	LCS DUP	450392082008590	104.00
08/21/92	LCS	450392082107510	107.00
08/21/92	LCS DUP	450392082107510	108.00
08/27/92	LCS	450392082708330	103.00
08/27/92	LCS DUP	450392082708330	100.00
08/31/92	LCS	450392083108510	101.00
08/31/92	LCS DUP	450392083108510	101.00
09/03/92	LCS	450392090308420	104.00
09/03/92	LCS DUP	450392090308420	111.00
09/04/92	LCS	450392090408590	111.00
09/04/92	LCS DUP	450392090408590	115.00
09/09/92	LCS	450392090908420	101.00
09/09/92	LCS DUP	450392090908420	98.00
09/11/92	LCS	450392091108290	108.00
09/11/92	LCS DUP	450392091108290	106.00
09/15/92	LCS	450392091508530	106.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Toluene continued			
Type of Spike : Laboratory Control			
09/15/92	LCS DUP	450392091508530	107.00
09/16/92	LCS	450392091608440	110.00
09/16/92	LCS DUP	450392091608440	109.00
07/22/92	LCS	450492072211010	106.00
07/22/92	LCS DUP	450492072211010	103.00
07/25/92	LCS	450492072513560	114.00
07/25/92	LCS DUP	450492072513560	115.00
07/26/92	LCS	450492072612450	105.00
07/26/92	LCS DUP	450492072612450	101.00
07/31/92	LCS	450492073111130	107.00
07/31/92	LCS DUP	450492073111130	102.00
08/13/92	LCS	450492081310530	108.00
08/13/92	LCS DUP	450492081310530	99.00
08/14/92	LCS	450492081410380	96.00
08/14/92	LCS DUP	450492081410380	102.00
10/12/92	LCS	450492101208290	111.00
10/12/92	LCS DUP	450492101208290	108.00
07/26/92	LCS	450192072609340	114.00
07/26/92	LCS DUP	450192072609340	115.00
07/29/92	LCS	450192072907480	115.00
07/29/92	LCS DUP	450192072907480	118.00
07/30/92	LCS	450192073007290	115.00
07/30/92	LCS DUP	450192073007290	142.00
08/07/92	LCS	450192080707000	104.00
08/07/92	LCS DUP	450192080707000	99.00
08/20/92	LCS	450192082011220	105.00
08/20/92	LCS DUP	450192082011220	107.00
08/21/92	LCS	450192082108370	109.00
08/21/92	LCS DUP	450192082108370	107.00
08/24/92	LCS	450192082407320	106.00
08/24/92	LCS DUP	450192082407320	105.00
08/04/92	LCS	450292080407190	96.00
08/04/92	LCS DUP	450292080407190	106.00
08/19/92	LCS	450292081907450	112.00
08/19/92	LCS DUP	450292081907450	106.00
09/14/92	LCS	450292091407450	109.00
09/14/92	LCS DUP	450292091407450	104.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 107.2	Above acceptance :	0
Standard Deviation	: 7.01	Acceptance Criteria	47-150

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Toluene continued			
Type of Spike : Matrix Spike			
Type of Spike : Matrix Spike			
09/11/92	10-SS-02-01 MS	450392091108290	101.00
09/11/92	10-SS-02-01 MSD	450392091108290	101.00
09/16/92	01-SD-02-01 MS	450392091608440	102.00
09/16/92	01-SD-02-01 MSD	450392091608440	98.00
08/11/92	06-SD-01-01 MS	450492081108340	97.00
08/11/92	06-SD-01-01 MSD	450492081108340	101.00
08/13/92	05-MW-04-02 MS	450492081310530	103.00
08/13/92	05-MW-04-02 MSD	450492081310530	102.00
08/14/92	01-SS-07-01 MS	450492081410380	99.00
08/14/92	01-SS-07-01 MSD	450492081410380	99.00
07/27/92	10-DS-01 MS	450192072609340	124.00
07/27/92	10-DS-01 MSD	450192072609340	129.00
07/27/92	06-DS-01 MS	450192072609340	118.00
07/27/92	06-DS-01 MSD	450192072609340	115.00
07/29/92	06-DS-02 MS	450192072907480	116.00
07/29/92	06-DS-02 MSD	450192072907480	115.00
07/30/92	05-DS-01 MS	450192073007290	126.00
07/30/92	05-DS-01 MSD	450192073007290	125.00
08/07/92	05-SS-15-01 MS	450192080707000	106.00
08/07/92	05-SS-15-01 MSD	450192080707000	101.00
08/20/92	04-DS-01 MS	450192082011220	114.00
08/20/92	04-DS-01 MSD	450192082011220	118.00
08/24/92	04-SS-02-01 MS	450192082407320	133.00
08/24/92	04-SS-02-01 MSD	450192082407320	119.00
08/19/92	07-MW-03-02 MS	450292081907450	97.00
08/19/92	07-MW-03-02 MSD	450292081907450	95.00
08/21/92	07-DS-01 MS	450292082107270	101.00
08/21/92	07-DS-01 MSD	450292082107270	96.00
09/14/92	10-SS-01-01 MS	450292091407450	103.00
09/14/92	10-SS-01-01 MSD	450292091407450	104.00
-----			
Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 108.6	Above acceptance :	0
Standard Deviation	: 11.21	Acceptance Criteria	47-150

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Toluene-d8			
Type of Spike : Surrogate			
07/15/92	09-MW-04-02	450392071508470	94.00
07/21/92	09-MW-01-02	450392072113280	88.00
07/21/92	10-MW-03-01	450392072113280	88.00
08/05/92	05-MW-02-02	450392080507550	103.00
08/06/92	05-SS-06-01	450392080607230	99.00
08/06/92	05-SS-03-01	450392080607230	98.00
08/06/92	05-SS-01-01	450392080607230	90.00
08/06/92	05-SS-04-01	450392080607230	98.00
08/06/92	05-SS-02-01	450392080607230	104.00
08/11/92	05-SS-13-01	450392081107410	103.00
08/11/92	05-DS-03	450392081107410	106.00
08/11/92	05-SS-12-01	450392081107410	103.00
08/11/92	06-SS-01-01	450392081107410	77.00
08/11/92	06-SS-02-01	450392081107410	69.00
08/12/92	05-SS-14-01	450392081107410	82.00
08/12/92	06-SS-03-01	450392081209230	107.00
08/12/92	06-SD-02-01	450392081209230	105.00
08/12/92	05-SD-02-01	450392081209230	108.00
08/12/92	05-SS-10-01	450392081209230	66.00
08/12/92	05-MW-06-02	450392081209230	110.00
08/12/92	05-SS-05-01	450392081209230	102.00
08/12/92	05-SS-08-01	450392081209230	105.00
08/12/92	05-SD-01-01	450392081209230	85.00
08/12/92	05-DS-04	450392081209230	97.00
08/13/92	01-SS-10-01	450392081308360	84.00
08/13/92	01-MW-01-02	450392081308360	111.00
08/13/92	01-SS-01-01	450392081308360	100.00
08/13/92	01-SS-02-01	450392081308360	86.00
08/13/92	01-SS-05-01	450392081308360	78.00
08/13/92	01-SS-06-01	450392081308360	37.00
08/14/92	01-SS-08-01	450392081408310	110.00
08/14/92	01-SS-09-01	450392081408310	116.00
08/17/92	01-SB-01-02	450392081709090	98.00
08/17/92	01-MW-02-02	450392081709090	106.00
08/17/92	01-SB-01-03	450392081709090	86.00
08/18/92	07-MW-04-02	450392081808430	111.00
08/20/92	07-SB-01-01	450392082008590	100.00
08/20/92	07-SB-03-01	450392082008590	98.00
08/20/92	07-MW-02-02	450392082008590	97.00
08/21/92	07-SB-02-01	450392082107510	109.00
08/21/92	07-MW-01-02	450392082107510	105.00
08/27/92	04-MW-01-02	450392082708330	106.00
08/31/92	04-MW-04-02	450392083108510	107.00
09/03/92	12-MW-01-02	450392090308420	107.00
09/03/92	12-MW-02-02	450392090308420	107.00
09/09/92	07-SS-04-01	450392090908420	96.00
09/09/92	07-SS-05-01	450392090908420	64.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Toluene-d8 continued			
Type of Spike : Surrogate			
09/09/92	07-SD-02-01	450392090908420	81.00
09/11/92	10-SS-02-01	450392091108290	102.00
09/11/92	10-SS-02-01 MS	450392091108290	104.00
09/11/92	10-SS-02-01 MSD	450392091108290	102.00
09/11/92	10-SS-03-01	450392091108290	88.00
09/11/92	10-SS-04-01	450392091108290	105.00
09/11/92	10-SS-05-01	450392091108290	104.00
09/11/92	10-SS-06-01	450392091108290	106.00
09/11/92	09-SS-02-01	450392091108290	105.00
09/15/92	10-DS-02	450392091508530	101.00
09/15/92	09-SS-03-01	450392091508530	101.00
09/15/92	01-SD-02-01	450392091508530	96.00
09/15/92	01-DS-03	450392091508530	100.00
09/15/92	07-SS-03-01	450392091508530	88.00
09/16/92	01-SD-02-01 MS	450392091608440	101.00
09/16/92	01-SD-02-01 MSD	450392091608440	101.00
09/16/92	01-DS-01	450392091608440	103.00
09/16/92	01-SD-01-01	450392091608440	104.00
09/16/92	07-SS-02-01	450392091608440	95.00
07/22/92	09-MW-02-02	450492072211010	97.00
07/22/92	10-MW-02-01	450492072211010	92.00
07/22/92	10-SB-03-01	450492072211010	99.00
07/22/92	10-SB-03-02	450492072211010	96.00
07/22/92	10-SB-03-03	450492072211010	102.00
07/25/92	10-SB-02-01	450492072513560	108.00
07/26/92	06-MW-03-02	450492072513560	84.00
07/26/92	10-MW-01-01	450492072513560	101.00
07/26/92	06-MW-04-02	450492072612450	101.00
07/26/92	10-SB-02-02	450492072612450	104.00
07/31/92	05-SB-01-01	450492073111130	87.00
07/31/92	05-MW-01-02	450492073111130	87.00
07/31/92	05-MW-03-02	450492073111130	86.00
08/11/92	06-SD-01-01	450492081108340	99.00
08/11/92	06-SD-01-01 MS	450492081108340	100.00
08/11/92	06-SD-01-01 MSD	450492081108340	102.00
08/13/92	05-MW-04-02	450492081310530	102.00
08/13/92	05-MW-04-02 MS	450492081310530	102.00
08/13/92	05-MW-04-02 MSD	450492081310530	100.00
08/13/92	05-SS-09-01	450492081310530	103.00
08/13/92	11-SS-01-01	450492081310530	105.00
08/13/92	11-DS-01	450492081310530	98.00
08/13/92	05-SS-11-01	450492081310530	99.00
08/14/92	05-MW-05-02	450492081310530	97.00
08/14/92	05-SS-07-01	450492081410380	87.00
08/14/92	01-SS-07-01	450492081410380	100.00
08/14/92	01-SS-07-01 MS	450492081410380	104.00
08/14/92	01-SS-07-01 MSD	450492081410380	101.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Toluene-d8 continued			
Type of Spike : Surrogate			
08/14/92	01-DS-02	450492081410380	78.00
08/14/92	01-SS-03-01	450492081410380	100.00
08/14/92	01-SS-04-01	450492081410380	90.00
10/13/92	09-SS-01-01	450492101208290	99.00
07/26/92	10-DS-01	450192072609340	110.00
07/27/92	10-DS-01 MS	450192072609340	111.00
07/27/92	10-DS-01 MSD	450192072609340	112.00
07/27/92	06-DS-01	450192072609340	104.00
07/27/92	06-DS-01 MS	450192072609340	107.00
07/27/92	06-DS-01 MSD	450192072609340	106.00
07/27/92	06-SB-02-01	450192072609340	109.00
07/27/92	06-SB-02-02	450192072609340	108.00
07/27/92	10-SB-01-01	450192072609340	107.00
07/27/92	10-SB-01-02	450192072609340	116.00
07/29/92	06-DS-02	450192072907480	112.00
07/29/92	06-DS-02 MS	450192072907480	112.00
07/29/92	06-DS-02 MSD	450192072907480	114.00
07/29/92	06-MW-02-02	450192072907480	117.00
07/29/92	06-SB-01-01	450192072907480	114.00
07/29/92	11-SB-01-02	450192072907480	101.00
07/29/92	11-SB-01-01	450192072907480	116.00
07/29/92	06-SB-01-02	450192072907480	113.00
07/29/92	06-MW-01-02	450192072907480	116.00
07/29/92	06-SS-04-01	450192072907480	112.00
07/29/92	06-SS-05-01	450192072907480	112.00
07/29/92	05-DS-02	450192072907480	94.00
07/30/92	05-SB-01-02	450192072907480	113.00
07/30/92	05-SB-01-03	450192072907480	116.00
07/30/92	05-SB-03-01	450192072907480	114.00
07/30/92	06-SS-06-01	450192073007290	112.00
07/30/92	05-DS-01	450192073007290	109.00
07/30/92	05-DS-01 MS	450192073007290	113.00
07/30/92	05-DS-01 MSD	450192073007290	112.00
07/30/92	05-SB-03-02	450192073007290	113.00
08/07/92	05-SS-15-01	450192080707000	108.00
08/07/92	05-SS-15-01 MS	450192080707000	113.00
08/07/92	05-SS-15-01 MSD	450192080707000	104.00
08/20/92	04-DS-01	450192082011220	108.00
08/20/92	04-DS-01 MS	450192082011220	111.00
08/20/92	04-DS-01 MSD	450192082011220	117.00
08/21/92	09-MW-06-02	450192082011220	111.00
08/21/92	09-DS-01	450192082011220	117.00
08/21/92	04-MW-02-02	450192082011220	121.00
08/21/92	09-MW-03-02	450192082011220	105.00
08/21/92	04-MW-03-02	450192082108370	112.00
08/21/92	09-MW-05-02	450192082108370	113.00
08/21/92	04-SS-01-01	450192082108370	120.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Toluene-d8 continued			
Type of Spike : Surrogate			
08/24/92	04-SS-02-01	450192082407320	114.00
08/24/92	04-SS-02-01 MS	450192082407320	117.00
08/24/92	04-SS-02-01 MSD	450192082407320	114.00
08/24/92	04-SS-03-01	450192082407320	115.00
08/24/92	04-SD-01-01	450192082407320	109.00
08/24/92	04-SD-02-01	450192082407320	111.00
08/24/92	04-SD-03-01	450192082407320	111.00
08/24/92	04-SD-04-01	450192082407320	112.00
08/04/92	05-SB-02-02	450292080407190	99.00
08/04/92	05-SB-02-03	450292080407190	94.00
08/04/92	05-SB-02-04	450292080407190	90.00
08/04/92	05-SB-02-01	450292080407190	101.00
08/19/92	01-SB-02-01	450292081907450	92.00
08/19/92	01-SB-02-02	450292081907450	102.00
08/19/92	07-MW-03-02	450292081907450	95.00
08/19/92	07-MW-03-02 MS	450292081907450	93.00
08/19/92	07-MW-03-02 MSD	450292081907450	90.00
08/19/92	01-SB-01-01	450292081907450	99.00
08/19/92	05-MW-04-02	450292081907450	98.00
08/19/92	01-SB-02-03	450292081907450	97.00
08/21/92	07-DS-01	450292082107270	100.00
08/21/92	07-DS-01 MS	450292082107270	100.00
08/21/92	07-DS-01 MSD	450292082107270	97.00
09/14/92	10-SS-01-01	450292091407450	81.00
09/14/92	10-SS-01-01 MS	450292091407450	98.00
09/14/92	10-SS-01-01 MSD	450292091407450	98.00
09/14/92	07-SS-01-01	450292091407450	83.00
09/14/92	07-SD-01-01	450292091407450	97.00
09/14/92	07-DS-03	450292091407450	94.00
09/14/92	07-DS-02	450292091407450	90.00

Number of Samples : 171  
Mean % Recovery : 101.0  
Standard Deviation : 11.61

Below acceptance : 7  
Above acceptance : 2  
Acceptance Criteria 81-117

Type of Spike : Surrogate - Blank Sample

07/15/92	METHOD BLANK	450392071508470	100.00
07/21/92	METHOD BLANK	450392072113280	98.00
08/05/92	METHOD BLANK	450392080507550	107.00
08/06/92	METHOD BLANK	450392080607230	108.00
08/11/92	METHOD BLANK	450392081107410	114.00
08/12/92	METHOD BLANK	450392081209230	113.00
08/13/92	METHOD BLANK	450392081308360	108.00
08/14/92	METHOD BLANK	450392081408310	109.00
08/17/92	METHOD BLANK	450392081709090	116.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Toluene-d8 continued			
Type of Spike : Surrogate - Blank Sample			
08/18/92	METHOD BLANK	450392081808430	111.00
08/20/92	METHOD BLANK	450392082008590	104.00
08/21/92	METHOD BLANK	450392082107510	108.00
08/27/92	METHOD BLANK	450392082708330	106.00
08/31/92	METHOD BLANK	450392083108510	113.00
09/03/92	METHOD BLANK	450392090308420	109.00
09/04/92	METHOD BLANK	450392090408590	107.00
09/09/92	METHOD BLANK	450392090908420	104.00
09/11/92	METHOD BLANK	450392091108290	109.00
09/15/92	METHOD BLANK	450392091508530	105.00
09/16/92	METHOD BLANK	450392091608440	107.00
07/22/92	METHOD BLANK	450492072211010	99.00
07/25/92	METHOD BLANK	450492072513560	104.00
07/26/92	METHOD BLANK	450492072612450	93.00
07/31/92	METHOD BLANK	450492073111130	106.00
08/13/92	METHOD BLANK	450492081310530	104.00
08/14/92	METHOD BLANK	450492081410380	102.00
10/12/92	METHOD BLANK	450492101208290	94.00
07/26/92	METHOD BLANK	450192072609340	107.00
07/29/92	METHOD BLANK	450192072907480	108.00
07/30/92	METHOD BLANK	450192073007290	109.00
08/07/92	METHOD BLANK	450192080707000	93.00
08/20/92	METHOD BLANK	450192082011220	102.00
08/21/92	METHOD BLANK	450192082108370	105.00
08/24/92	METHOD BLANK	450192082407320	101.00
08/04/92	METHOD BLANK	450292080407190	103.00
08/19/92	METHOD BLANK	450292081907450	103.00
09/14/92	METHOD BLANK	450292091407450	101.00
-----			
Number of Samples	: 37	Below acceptance :	0
Mean % Recovery	: 105.1	Above acceptance :	0
Standard Deviation	: 5.44	Acceptance Criteria	81-117
-----			
Type of Spike : Surrogate - Laboratory Control			
07/15/92	LCS	450392071508470	98.00
07/15/92	LCS DUP	450392071508470	100.00
07/21/92	LCS	450392072113280	102.00
07/21/92	LCS DUP	450392072113280	97.00
08/05/92	LCS	450392080507550	103.00
08/05/92	LCS DUP	450392080507550	105.00
08/06/92	LCS	450392080607230	111.00
08/06/92	LCS DUP	450392080607230	108.00
08/11/92	LCS	450392081107410	115.00
08/11/92	LCS DUP	450392081107410	112.00
08/12/92	LCS	450392081209230	111.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Toluene-d8 continued			
Type of Spike : Surrogate - Laboratory Control			
08/12/92	LCS DUP	450392081209230	110.00
08/13/92	LCS	450392081308360	108.00
08/13/92	LCS DUP	450392081308360	108.00
08/14/92	LCS	450392081408310	115.00
08/14/92	LCS DUP	450392081408310	114.00
08/17/92	LCS	450392081709090	114.00
08/17/92	LCS DUP	450392081709090	111.00
08/18/92	LCS	450392081808430	108.00
08/18/92	LCS DUP	450392081808430	107.00
08/20/92	LCS	450392082008590	102.00
08/20/92	LCS DUP	450392082008590	101.00
08/21/92	LCS	450392082107510	107.00
08/21/92	LCS DUP	450392082107510	111.00
08/27/92	LCS	450392082708330	107.00
08/27/92	LCS DUP	450392082708330	107.00
08/31/92	LCS	450392083108510	108.00
08/31/92	LCS DUP	450392083108510	110.00
09/03/92	LCS	450392090308420	106.00
09/03/92	LCS DUP	450392090308420	110.00
09/04/92	LCS	450392090408590	106.00
09/04/92	LCS DUP	450392090408590	108.00
09/09/92	LCS	450392090908420	103.00
09/09/92	LCS DUP	450392090908420	99.00
09/11/92	LCS	450392091108290	107.00
09/11/92	LCS DUP	450392091108290	106.00
09/15/92	LCS	450392091508530	106.00
09/15/92	LCS DUP	450392091508530	105.00
09/16/92	LCS	450392091608440	104.00
09/16/92	LCS DUP	450392091608440	105.00
07/22/92	LCS	450492072211010	101.00
07/22/92	LCS DUP	450492072211010	100.00
07/25/92	LCS	450492072513560	103.00
07/25/92	LCS DUP	450492072513560	105.00
07/26/92	LCS	450492072612450	104.00
07/26/92	LCS DUP	450492072612450	101.00
07/31/92	LCS	450492073111130	105.00
07/31/92	LCS DUP	450492073111130	105.00
08/13/92	LCS	450492081310530	103.00
08/13/92	LCS DUP	450492081310530	104.00
08/14/92	LCS	450492081410380	101.00
08/14/92	LCS DUP	450492081410380	101.00
10/12/92	LCS	450492101208290	95.00
10/12/92	LCS DUP	450492101208290	98.00
07/26/92	LCS	450192072609340	105.00
07/26/92	LCS DUP	450192072609340	104.00
07/29/92	LCS	450192072907480	106.00
07/29/92	LCS DUP	450192072907480	104.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Toluene-d8 continued			
Type of Spike : Surrogate - Laboratory Control			
07/30/92	LCS	450192073007290	106.00
07/30/92	LCS DUP	450192073007290	106.00
08/07/92	LCS	450192080707000	102.00
08/07/92	LCS DUP	450192080707000	106.00
08/20/92	LCS	450192082011220	102.00
08/20/92	LCS DUP	450192082011220	100.00
08/21/92	LCS	450192082108370	101.00
08/21/92	LCS DUP	450192082108370	102.00
08/24/92	LCS	450192082407320	101.00
08/24/92	LCS DUP	450192082407320	102.00
08/04/92	LCS	450292080407190	101.00
08/04/92	LCS DUP	450292080407190	104.00
08/19/92	LCS	450292081907450	104.00
08/19/92	LCS DUP	450292081907450	100.00
09/14/92	LCS	450292091407450	98.00
09/14/92	LCS DUP	450292091407450	97.00

Number of Samples : 74  
Mean % Recovery : 104.8  
Standard Deviation : 4.42

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria 81-117

Method : SW8240  
Spiked Analyte : Tribromomethane(Bromoform)

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	106.00
07/15/92	LCS DUP	450392071508470	103.00
07/21/92	LCS	450392072113280	95.00
07/21/92	LCS DUP	450392072113280	90.00
08/05/92	LCS	450392080507550	94.00
08/05/92	LCS DUP	450392080507550	89.00
08/06/92	LCS	450392080607230	71.00
08/06/92	LCS DUP	450392080607230	80.00
08/11/92	LCS	450392081107410	98.00
08/11/92	LCS DUP	450392081107410	90.00
08/12/92	LCS	450392081209230	98.00
08/12/92	LCS DUP	450392081209230	100.00
08/13/92	LCS	450392081308360	96.00
08/13/92	LCS DUP	450392081308360	97.00
08/14/92	LCS	450392081408310	97.00
08/14/92	LCS DUP	450392081408310	87.00
08/17/92	LCS	450392081709090	98.00
08/17/92	LCS DUP	450392081709090	98.00
08/18/92	LCS	450392081808430	95.00
08/18/92	LCS DUP	450392081808430	90.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Tribromomethane(Bromoform) continued			
Type of Spike : Laboratory Control			
08/20/92	LCS	450392082008590	90.00
08/20/92	LCS DUP	450392082008590	91.00
08/21/92	LCS	450392082107510	74.00
08/21/92	LCS DUP	450392082107510	62.00
08/27/92	LCS	450392082708330	87.00
08/27/92	LCS DUP	450392082708330	86.00
08/31/92	LCS	450392083108510	81.00
08/31/92	LCS DUP	450392083108510	80.00
09/03/92	LCS	450392090308420	83.00
09/03/92	LCS DUP	450392090308420	85.00
09/04/92	LCS	450392090408590	94.00
09/04/92	LCS DUP	450392090408590	98.00
09/09/92	LCS	450392090908420	96.00
09/09/92	LCS DUP	450392090908420	91.00
09/11/92	LCS	450392091108290	90.00
09/11/92	LCS DUP	450392091108290	92.00
09/15/92	LCS	450392091508530	85.00
09/15/92	LCS DUP	450392091508530	88.00
09/16/92	LCS	450392091608440	86.00
09/16/92	LCS DUP	450392091608440	85.00
07/22/92	LCS	450492072211010	102.00
07/22/92	LCS DUP	450492072211010	102.00
07/25/92	LCS	450492072513560	105.00
07/25/92	LCS DUP	450492072513560	112.00
07/26/92	LCS	450492072612450	96.00
07/26/92	LCS DUP	450492072612450	90.00
07/31/92	LCS	450492073111130	98.00
07/31/92	LCS DUP	450492073111130	92.00
08/13/92	LCS	450492081310530	98.00
08/13/92	LCS DUP	450492081310530	90.00
08/14/92	LCS	450492081410380	91.00
08/14/92	LCS DUP	450492081410380	92.00
10/12/92	LCS	450492101208290	102.00
10/12/92	LCS DUP	450492101208290	99.00
07/26/92	LCS	450192072609340	86.00
07/26/92	LCS DUP	450192072609340	88.00
07/29/92	LCS	450192072907480	76.00
07/29/92	LCS DUP	450192072907480	74.00
07/30/92	LCS	450192073007290	79.00
07/30/92	LCS DUP	450192073007290	81.00
08/07/92	LCS	450192080707000	110.00
08/07/92	LCS DUP	450192080707000	102.00
08/20/92	LCS	450192082011220	85.00
08/20/92	LCS DUP	450192082011220	104.00
08/21/92	LCS	450192082108370	100.00
08/21/92	LCS DUP	450192082108370	98.00
08/24/92	LCS	450192082407320	98.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Tribromomethane(Bromoform) continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	450192082407320	93.00
08/04/92	LCS	450292080407190	69.00
08/04/92	LCS DUP	450292080407190	73.00
08/19/92	LCS	450292081907450	75.00
08/19/92	LCS DUP	450292081907450	72.00
09/14/92	LCS	450292091407450	128.00
09/14/92	LCS DUP	450292091407450	111.00

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 91.4	Above acceptance :	0
Standard Deviation	: 11.13	Acceptance Criteria	45-169

Method : SW8240  
Spiked Analyte : Trichloroethene

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	105.00
07/15/92	LCS DUP	450392071508470	105.00
07/21/92	LCS	450392072113280	96.00
07/21/92	LCS DUP	450392072113280	91.00
08/05/92	LCS	450392080507550	95.00
08/05/92	LCS DUP	450392080507550	98.00
08/06/92	LCS	450392080607230	90.00
08/06/92	LCS DUP	450392080607230	87.00
08/11/92	LCS	450392081107410	123.00
08/11/92	LCS DUP	450392081107410	94.00
08/12/92	LCS	450392081209230	107.00
08/12/92	LCS DUP	450392081209230	103.00
08/13/92	LCS	450392081308360	92.00
08/13/92	LCS DUP	450392081308360	94.00
08/14/92	LCS	450392081408310	92.00
08/14/92	LCS DUP	450392081408310	93.00
08/17/92	LCS	450392081709090	94.00
08/17/92	LCS DUP	450392081709090	89.00
08/18/92	LCS	450392081808430	84.00
08/18/92	LCS DUP	450392081808430	83.00
08/20/92	LCS	450392082008590	93.00
08/20/92	LCS DUP	450392082008590	98.00
08/21/92	LCS	450392082107510	91.00
08/21/92	LCS DUP	450392082107510	94.00
08/27/92	LCS	450392082708330	89.00
08/27/92	LCS DUP	450392082708330	89.00
08/31/92	LCS	450392083108510	83.00
08/31/92	LCS DUP	450392083108510	83.00
09/03/92	LCS	450392090308420	90.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Trichloroethene continued			
Type of Spike : Laboratory Control			
09/03/92	LCS DUP	450392090308420	90.00
09/04/92	LCS	450392090408590	94.00
09/04/92	LCS DUP	450392090408590	89.00
09/09/92	LCS	450392090908420	91.00
09/09/92	LCS DUP	450392090908420	88.00
09/11/92	LCS	450392091108290	100.00
09/11/92	LCS DUP	450392091108290	97.00
09/15/92	LCS	450392091508530	95.00
09/15/92	LCS DUP	450392091508530	103.00
09/16/92	LCS	450392091608440	98.00
09/16/92	LCS DUP	450392091608440	100.00
07/22/92	LCS	450492072211010	103.00
07/22/92	LCS DUP	450492072211010	100.00
07/25/92	LCS	450492072513560	101.00
07/25/92	LCS DUP	450492072513560	101.00
07/26/92	LCS	450492072612450	92.00
07/26/92	LCS DUP	450492072612450	88.00
07/31/92	LCS	450492073111130	91.00
07/31/92	LCS DUP	450492073111130	88.00
08/13/92	LCS	450492081310530	114.00
08/13/92	LCS DUP	450492081310530	103.00
08/14/92	LCS	450492081410380	98.00
08/14/92	LCS DUP	450492081410380	98.00
10/12/92	LCS	450492101208290	108.00
10/12/92	LCS DUP	450492101208290	106.00
07/26/92	LCS	450192072609340	88.00
07/26/92	LCS DUP	450192072609340	91.00
07/29/92	LCS	450192072907480	84.00
07/29/92	LCS DUP	450192072907480	89.00
07/30/92	LCS	450192073007290	87.00
07/30/92	LCS DUP	450192073007290	90.00
08/07/92	LCS	450192080707000	91.00
08/07/92	LCS DUP	450192080707000	88.00
08/20/92	LCS	450192082011220	91.00
08/20/92	LCS DUP	450192082011220	98.00
08/21/92	LCS	450192082108370	93.00
08/21/92	LCS DUP	450192082108370	93.00
08/24/92	LCS	450192082407320	94.00
08/24/92	LCS DUP	450192082407320	92.00
08/04/92	LCS	450292080407190	78.00
08/04/92	LCS DUP	450292080407190	85.00
08/19/92	LCS	450292081907450	102.00
08/19/92	LCS DUP	450292081907450	108.00
09/14/92	LCS	450292091407450	106.00
09/14/92	LCS DUP	450292091407450	100.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8240

Spiked Analyte : Trichloroethene continued

Type of Spike : Laboratory Control

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 94.7	Above acceptance :	0
Standard Deviation	: 7.84	Acceptance Criteria	71-157

Type of Spike : Matrix Spike

09/11/92	10-SS-02-01 MS	450392091108290	92.00
09/11/92	10-SS-02-01 MSD	450392091108290	93.00
09/16/92	01-SD-02-01 MS	450392091608440	95.00
09/16/92	01-SD-02-01 MSD	450392091608440	91.00
08/11/92	06-SD-01-01 MS	450492081108340	92.00
08/11/92	06-SD-01-01 MSD	450492081108340	98.00
08/13/92	05-MW-04-02 MS	450492081310530	96.00
08/13/92	05-MW-04-02 MSD	450492081310530	97.00
08/14/92	01-SS-07-01 MS	450492081410380	95.00
08/14/92	01-SS-07-01 MSD	450492081410380	93.00
07/27/92	10-DS-01 MS	450192072609340	92.00
07/27/92	10-DS-01 MSD	450192072609340	94.00
07/27/92	06-DS-01 MS	450192072609340	96.00
07/27/92	06-DS-01 MSD	450192072609340	94.00
07/29/92	06-DS-02 MS	450192072907480	86.00
07/29/92	06-DS-02 MSD	450192072907480	83.00
07/30/92	05-DS-01 MS	450192073007290	96.00
07/30/92	05-DS-01 MSD	450192073007290	98.00
08/07/92	05-SS-15-01 MS	450192080707000	87.00
08/07/92	05-SS-15-01 MSD	450192080707000	91.00
08/20/92	04-DS-01 MS	450192082011220	97.00
08/20/92	04-DS-01 MSD	450192082011220	89.00
08/24/92	04-SS-02-01 MS	450192082407320	103.00
08/24/92	04-SS-02-01 MSD	450192082407320	88.00
08/19/92	07-MW-03-02 MS	450292081907450	92.00
08/19/92	07-MW-03-02 MSD	450292081907450	93.00
08/21/92	07-DS-01 MS	450292082107270	93.00
08/21/92	07-DS-01 MSD	450292082107270	90.00
09/14/92	10-SS-01-01 MS	450292091407450	104.00
09/14/92	10-SS-01-01 MSD	450292091407450	105.00

Number of Samples	: 30	Below acceptance :	0
Mean % Recovery	: 93.8	Above acceptance :	0
Standard Deviation	: 4.96	Acceptance Criteria	71-157

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Vinyl acetate			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	111.00
07/15/92	LCS DUP	450392071508470	106.00
07/21/92	LCS	450392072113280	108.00
07/21/92	LCS DUP	450392072113280	103.00
08/05/92	LCS	450392080507550	83.00
08/05/92	LCS DUP	450392080507550	76.00
08/06/92	LCS	450392080607230	80.00
08/06/92	LCS DUP	450392080607230	90.00
08/11/92	LCS	450392081107410	107.00
08/11/92	LCS DUP	450392081107410	97.00
08/12/92	LCS	450392081209230	95.00
08/12/92	LCS DUP	450392081209230	98.00
08/13/92	LCS	450392081308360	102.00
08/13/92	LCS DUP	450392081308360	98.00
08/14/92	LCS	450392081408310	89.00
08/14/92	LCS DUP	450392081408310	108.00
08/17/92	LCS	450392081709090	88.00
08/17/92	LCS DUP	450392081709090	100.00
08/18/92	LCS	450392081808430	90.00
08/18/92	LCS DUP	450392081808430	91.00
08/20/92	LCS	450392082008590	34.00
08/20/92	LCS DUP	450392082008590	81.00
08/21/92	LCS	450392082107510	88.00
08/21/92	LCS DUP	450392082107510	86.00
08/27/92	LCS	450392082708330	91.00
08/27/92	LCS DUP	450392082708330	89.00
08/31/92	LCS	450392083108510	103.00
08/31/92	LCS DUP	450392083108510	88.00
09/03/92	LCS	450392090308420	64.00
09/03/92	LCS DUP	450392090308420	64.00
09/04/92	LCS	450392090408590	82.00
09/04/92	LCS DUP	450392090408590	86.00
09/09/92	LCS	450392090908420	75.00
09/09/92	LCS DUP	450392090908420	58.00
09/11/92	LCS	450392091108290	116.00
09/11/92	LCS DUP	450392091108290	113.00
09/15/92	LCS	450392091508530	100.00
09/15/92	LCS DUP	450392091508530	50.00
09/16/92	LCS	450392091608440	85.00
09/16/92	LCS DUP	450392091608440	86.00
07/22/92	LCS	450492072211010	18.00
07/22/92	LCS DUP	450492072211010	14.00
07/25/92	LCS	450492072513560	298.00
07/25/92	LCS DUP	450492072513560	226.00
07/26/92	LCS	450492072612450	216.00
07/26/92	LCS DUP	450492072612450	214.00
07/31/92	LCS	450492073111130	314.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Vinyl acetate continued			
Type of Spike : Laboratory Control			
07/31/92	LCS DUP	450492073111130	306.00
08/13/92	LCS	450492081310530	37.00
08/13/92	LCS DUP	450492081310530	37.00
08/14/92	LCS	450492081410380	58.00
08/14/92	LCS DUP	450492081410380	76.00
10/12/92	LCS	450492101208290	83.00
10/12/92	LCS DUP	450492101208290	78.00
07/26/92	LCS	450192072609340	93.00
07/26/92	LCS DUP	450192072609340	86.00
07/29/92	LCS	450192072907480	77.00
07/29/92	LCS DUP	450192072907480	57.00
07/30/92	LCS	450192073007290	96.00
07/30/92	LCS DUP	450192073007290	99.00
08/07/92	LCS	450192080707000	54.00
08/07/92	LCS DUP	450192080707000	55.00
08/20/92	LCS	450192082011220	71.00
08/20/92	LCS DUP	450192082011220	96.00
08/21/92	LCS	450192082108370	101.00
08/21/92	LCS DUP	450192082108370	97.00
08/24/92	LCS	450192082407320	96.00
08/24/92	LCS DUP	450192082407320	85.00
08/04/92	LCS	450292080407190	72.00
08/04/92	LCS DUP	450292080407190	81.00
08/19/92	LCS	450292081907450	156.00
08/19/92	LCS DUP	450292081907450	86.00
09/14/92	LCS	450292091407450	147.00
09/14/92	LCS DUP	450292091407450	132.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 99.6	Above acceptance :	3
Standard Deviation	: 55.76	Acceptance Criteria	D-251

Method : SW8240  
Spiked Analyte : Vinyl chloride

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	156.00
07/15/92	LCS DUP	450392071508470	166.00
07/21/92	LCS	450392072113280	133.00
07/21/92	LCS DUP	450392072113280	140.00
08/05/92	LCS	450392080507550	96.00
08/05/92	LCS DUP	450392080507550	87.00
08/06/92	LCS	450392080607230	115.00
08/06/92	LCS DUP	450392080607230	116.00
08/11/92	LCS	450392081107410	120.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Vinyl chloride continued			
Type of Spike : Laboratory Control			
08/11/92	LCS DUP	450392081107410	113.00
08/12/92	LCS	450392081209230	125.00
08/12/92	LCS DUP	450392081209230	143.00
08/13/92	LCS	450392081308360	102.00
08/13/92	LCS DUP	450392081308360	100.00
08/14/92	LCS	450392081408310	86.00
08/14/92	LCS DUP	450392081408310	101.00
08/17/92	LCS	450392081709090	110.00
08/17/92	LCS DUP	450392081709090	121.00
08/18/92	LCS	450392081808430	95.00
08/18/92	LCS DUP	450392081808430	108.00
08/20/92	LCS	450392082008590	130.00
08/20/92	LCS DUP	450392082008590	127.00
08/21/92	LCS	450392082107510	128.00
08/21/92	LCS DUP	450392082107510	126.00
08/27/92	LCS	450392082708330	118.00
08/27/92	LCS DUP	450392082708330	125.00
08/31/92	LCS	450392083108510	116.00
08/31/92	LCS DUP	450392083108510	116.00
09/03/92	LCS	450392090308420	116.00
09/03/92	LCS DUP	450392090308420	131.00
09/04/92	LCS	450392090408590	164.00
09/04/92	LCS DUP	450392090408590	156.00
09/09/92	LCS	450392090908420	120.00
09/09/92	LCS DUP	450392090908420	110.00
09/11/92	LCS	450392091108290	128.00
09/11/92	LCS DUP	450392091108290	125.00
09/15/92	LCS	450392091508530	115.00
09/15/92	LCS DUP	450392091508530	117.00
09/16/92	LCS	450392091608440	145.00
09/16/92	LCS DUP	450392091608440	132.00
07/22/92	LCS	450492072211010	32.00
07/22/92	LCS DUP	450492072211010	75.00
07/25/92	LCS	450492072513560	88.00
07/25/92	LCS DUP	450492072513560	81.00
07/26/92	LCS	450492072612450	121.00
07/26/92	LCS DUP	450492072612450	129.00
07/31/92	LCS	450492073111130	79.00
07/31/92	LCS DUP	450492073111130	78.00
08/13/92	LCS	450492081310530	91.00
08/13/92	LCS DUP	450492081310530	77.00
08/14/92	LCS	450492081410380	88.00
08/14/92	LCS DUP	450492081410380	94.00
10/12/92	LCS	450492101208290	120.00
10/12/92	LCS DUP	450492101208290	117.00
07/26/92	LCS	450192072609340	90.00
07/26/92	LCS DUP	450192072609340	91.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Vinyl chloride continued			
Type of Spike : Laboratory Control			
07/29/92	LCS	450192072907480	107.00
07/29/92	LCS DUP	450192072907480	109.00
07/30/92	LCS	450192073007290	144.00
07/30/92	LCS DUP	450192073007290	145.00
08/07/92	LCS	450192080707000	64.00
08/07/92	LCS DUP	450192080707000	47.00
08/20/92	LCS	450192082011220	91.00
08/20/92	LCS DUP	450192082011220	94.00
08/21/92	LCS	450192082108370	87.00
08/21/92	LCS DUP	450192082108370	86.00
08/24/92	LCS	450192082407320	104.00
08/24/92	LCS DUP	450192082407320	104.00
08/04/92	LCS	450292080407190	113.00
08/04/92	LCS DUP	450292080407190	118.00
08/19/92	LCS	450292081907450	97.00
08/19/92	LCS DUP	450292081907450	97.00
09/14/92	LCS	450292091407450	121.00
09/14/92	LCS DUP	450292091407450	107.00

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 110.3	Above acceptance :	0
Standard Deviation	: 24.73	Acceptance Criteria	NS

Method : SW8240  
Spiked Analyte : Xylenes

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	101.00
07/15/92	LCS DUP	450392071508470	102.00
07/21/92	LCS	450392072113280	98.00
07/21/92	LCS DUP	450392072113280	98.00
08/05/92	LCS	450392080507550	99.00
08/05/92	LCS DUP	450392080507550	100.00
08/06/92	LCS	450392080607230	94.00
08/06/92	LCS DUP	450392080607230	96.00
08/11/92	LCS	450392081107410	98.00
08/11/92	LCS DUP	450392081107410	95.00
08/12/92	LCS	450392081209230	104.00
08/12/92	LCS DUP	450392081209230	101.00
08/13/92	LCS	450392081308360	100.00
08/13/92	LCS DUP	450392081308360	99.00
08/14/92	LCS	450392081408310	100.00
08/14/92	LCS DUP	450392081408310	99.00
08/17/92	LCS	450392081709090	101.00
08/17/92	LCS DUP	450392081709090	100.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Xylenes continued			
Type of Spike : Laboratory Control			
08/18/92	LCS	450392081808430	100.00
08/18/92	LCS DUP	450392081808430	99.00
08/20/92	LCS	450392082008590	103.00
08/20/92	LCS DUP	450392082008590	103.00
08/21/92	LCS	450392082107510	103.00
08/21/92	LCS DUP	450392082107510	103.00
08/27/92	LCS	450392082708330	102.00
08/27/92	LCS DUP	450392082708330	101.00
08/31/92	LCS	450392083108510	96.00
08/31/92	LCS DUP	450392083108510	98.00
09/03/92	LCS	450392090308420	104.00
09/03/92	LCS DUP	450392090308420	104.00
09/04/92	LCS	450392090408590	107.00
09/04/92	LCS DUP	450392090408590	114.00
09/09/92	LCS	450392090908420	102.00
09/09/92	LCS DUP	450392090908420	98.00
09/11/92	LCS	450392091108290	99.00
09/11/92	LCS DUP	450392091108290	100.00
09/15/92	LCS	450392091508530	97.00
09/15/92	LCS DUP	450392091508530	99.00
09/16/92	LCS	450392091608440	100.00
09/16/92	LCS DUP	450392091608440	99.00
07/22/92	LCS	450492072211010	98.00
07/22/92	LCS DUP	450492072211010	98.00
07/25/92	LCS	450492072513560	107.00
07/25/92	LCS DUP	450492072513560	107.00
07/26/92	LCS	450492072612450	102.00
07/26/92	LCS DUP	450492072612450	106.00
07/31/92	LCS	450492073111130	107.00
07/31/92	LCS DUP	450492073111130	102.00
08/13/92	LCS	450492081310530	106.00
08/13/92	LCS DUP	450492081310530	93.00
08/14/92	LCS	450492081410380	97.00
08/14/92	LCS DUP	450492081410380	98.00
10/12/92	LCS	450492101208290	115.00
10/12/92	LCS DUP	450492101208290	112.00
07/26/92	LCS	450192072609340	100.00
07/26/92	LCS DUP	450192072609340	102.00
07/29/92	LCS	450192072907480	103.00
07/29/92	LCS DUP	450192072907480	107.00
07/30/92	LCS	450192073007290	104.00
07/30/92	LCS DUP	450192073007290	108.00
08/07/92	LCS	450192080707000	85.00
08/07/92	LCS DUP	450192080707000	85.00
08/20/92	LCS	450192082011220	98.00
08/20/92	LCS DUP	450192082011220	103.00
08/21/92	LCS	450192082108370	104.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : Xylenes continued			
Type of Spike : Laboratory Control			
08/21/92	LCS DUP	450192082108370	111.00
08/24/92	LCS	450192082407320	104.00
08/24/92	LCS DUP	450192082407320	103.00
08/04/92	LCS	450292080407190	116.00
08/04/92	LCS DUP	450292080407190	121.00
08/19/92	LCS	450292081907450	107.00
08/19/92	LCS DUP	450292081907450	103.00
09/14/92	LCS	450292091407450	111.00
09/14/92	LCS DUP	450292091407450	105.00

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 101.9	Above acceptance :	0
Standard Deviation	: 5.88	Acceptance Criteria	55-125

Method : SW8240  
Spiked Analyte : cis-1,3-Dichloropropene

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	108.00
07/15/92	LCS DUP	450392071508470	107.00
07/21/92	LCS	450392072113280	103.00
07/21/92	LCS DUP	450392072113280	94.00
08/05/92	LCS	450392080507550	106.00
08/05/92	LCS DUP	450392080507550	105.00
08/06/92	LCS	450392080607230	103.00
08/06/92	LCS DUP	450392080607230	101.00
08/11/92	LCS	450392081107410	117.00
08/11/92	LCS DUP	450392081107410	111.00
08/12/92	LCS	450392081209230	116.00
08/12/92	LCS DUP	450392081209230	119.00
08/13/92	LCS	450392081308360	109.00
08/13/92	LCS DUP	450392081308360	111.00
08/14/92	LCS	450392081408310	116.00
08/14/92	LCS DUP	450392081408310	106.00
08/17/92	LCS	450392081709090	110.00
08/17/92	LCS DUP	450392081709090	111.00
08/18/92	LCS	450392081808430	108.00
08/18/92	LCS DUP	450392081808430	106.00
08/20/92	LCS	450392082008590	109.00
08/20/92	LCS DUP	450392082008590	107.00
08/21/92	LCS	450392082107510	115.00
08/21/92	LCS DUP	450392082107510	112.00
08/27/92	LCS	450392082708330	110.00
08/27/92	LCS DUP	450392082708330	107.00
08/31/92	LCS	450392083108510	110.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : cis-1,3-Dichloropropene continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	450392083108510	103.00
09/03/92	LCS	450392090308420	112.00
09/03/92	LCS DUP	450392090308420	112.00
09/04/92	LCS	450392090408590	121.00
09/04/92	LCS DUP	450392090408590	121.00
09/09/92	LCS	450392090908420	108.00
09/09/92	LCS DUP	450392090908420	103.00
09/11/92	LCS	450392091108290	116.00
09/11/92	LCS DUP	450392091108290	112.00
09/15/92	LCS	450392091508530	112.00
09/15/92	LCS DUP	450392091508530	116.00
09/16/92	LCS	450392091608440	118.00
09/16/92	LCS DUP	450392091608440	114.00
07/22/92	LCS	450492072211010	89.00
07/22/92	LCS DUP	450492072211010	84.00
07/25/92	LCS	450492072513560	105.00
07/25/92	LCS DUP	450492072513560	108.00
07/26/92	LCS	450492072612450	98.00
07/26/92	LCS DUP	450492072612450	93.00
07/31/92	LCS	450492073111130	102.00
07/31/92	LCS DUP	450492073111130	102.00
08/13/92	LCS	450492081310530	96.00
08/13/92	LCS DUP	450492081310530	90.00
08/14/92	LCS	450492081410380	90.00
08/14/92	LCS DUP	450492081410380	97.00
10/12/92	LCS	450492101208290	103.00
10/12/92	LCS DUP	450492101208290	100.00
07/26/92	LCS	450192072609340	90.00
07/26/92	LCS DUP	450192072609340	96.00
07/29/92	LCS	450192072907480	90.00
07/29/92	LCS DUP	450192072907480	93.00
07/30/92	LCS	450192073007290	94.00
07/30/92	LCS DUP	450192073007290	98.00
08/07/92	LCS	450192080707000	88.00
08/07/92	LCS DUP	450192080707000	85.00
08/20/92	LCS	450192082011220	92.00
08/20/92	LCS DUP	450192082011220	101.00
08/21/92	LCS	450192082108370	96.00
08/21/92	LCS DUP	450192082108370	97.00
08/24/92	LCS	450192082407320	95.00
08/24/92	LCS DUP	450192082407320	90.00
08/04/92	LCS	450292080407190	78.00
08/04/92	LCS DUP	450292080407190	87.00
08/19/92	LCS	450292081907450	97.00
08/19/92	LCS DUP	450292081907450	90.00
09/14/92	LCS	450292091407450	103.00
09/14/92	LCS DUP	450292091407450	100.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8240

Spiked Analyte : cis-1,3-Dichloropropene continued

Type of Spike : Laboratory Control

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8240

Spiked Analyte : cis-1,3-Dichloropropene continued

Type of Spike : Laboratory Control

Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 103.0	Above acceptance :	0
Standard Deviation	: 9.89	Acceptance Criteria	D-227

Method : SW8240

Spiked Analyte : trans-1,2-Dichloroethene

Type of Spike : Laboratory Control

07/15/92	LCS	450392071508470	114.00
07/15/92	LCS DUP	450392071508470	126.00
07/21/92	LCS	450392072113280	123.00
07/21/92	LCS DUP	450392072113280	111.00
08/05/92	LCS	450392080507550	102.00
08/05/92	LCS DUP	450392080507550	107.00
08/06/92	LCS	450392080607230	95.00
08/06/92	LCS DUP	450392080607230	95.00
08/11/92	LCS	450392081107410	100.00
08/11/92	LCS DUP	450392081107410	100.00
08/12/92	LCS	450392081209230	117.00
08/12/92	LCS DUP	450392081209230	116.00
08/13/92	LCS	450392081308360	107.00
08/13/92	LCS DUP	450392081308360	106.00
08/14/92	LCS	450392081408310	93.00
08/14/92	LCS DUP	450392081408310	108.00
08/17/92	LCS	450392081709090	108.00
08/17/92	LCS DUP	450392081709090	100.00
08/18/92	LCS	450392081808430	99.00
08/18/92	LCS DUP	450392081808430	102.00
08/20/92	LCS	450392082008590	105.00
08/20/92	LCS DUP	450392082008590	106.00
08/21/92	LCS	450392082107510	109.00
08/21/92	LCS DUP	450392082107510	121.00
08/27/92	LCS	450392082708330	103.00
08/27/92	LCS DUP	450392082708330	113.00
08/31/92	LCS	450392083108510	103.00
08/31/92	LCS DUP	450392083108510	101.00
09/03/92	LCS	450392090308420	108.00
09/03/92	LCS DUP	450392090308420	109.00
09/04/92	LCS	450392090408590	121.00
09/04/92	LCS DUP	450392090408590	118.00
09/09/92	LCS	450392090908420	101.00
09/09/92	LCS DUP	450392090908420	104.00
09/11/92	LCS	450392091108290	103.00
09/11/92	LCS DUP	450392091108290	102.00
09/15/92	LCS	450392091508530	96.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : trans-1,2-Dichloroethene continued			
Type of Spike : Laboratory Control			
09/15/92	LCS DUP	450392091508530	100.00
09/16/92	LCS	450392091608440	103.00
09/16/92	LCS DUP	450392091608440	105.00
07/22/92	LCS	450492072211010	118.00
07/22/92	LCS DUP	450492072211010	112.00
07/25/92	LCS	450492072513560	124.00
07/25/92	LCS DUP	450492072513560	120.00
07/26/92	LCS	450492072612450	113.00
07/26/92	LCS DUP	450492072612450	120.00
07/31/92	LCS	450492073111130	102.00
07/31/92	LCS DUP	450492073111130	99.00
08/13/92	LCS	450492081310530	109.00
08/13/92	LCS DUP	450492081310530	98.00
08/14/92	LCS	450492081410380	101.00
08/14/92	LCS DUP	450492081410380	118.00
10/12/92	LCS	450492101208290	123.00
10/12/92	LCS DUP	450492101208290	112.00
07/26/92	LCS	450192072609340	111.00
07/26/92	LCS DUP	450192072609340	114.00
07/29/92	LCS	450192072907480	108.00
07/29/92	LCS DUP	450192072907480	111.00
07/30/92	LCS	450192073007290	110.00
07/30/92	LCS DUP	450192073007290	112.00
08/07/92	LCS	450192080707000	84.00
08/07/92	LCS DUP	450192080707000	72.00
08/20/92	LCS	450192082011220	99.00
08/20/92	LCS DUP	450192082011220	107.00
08/21/92	LCS	450192082108370	102.00
08/21/92	LCS DUP	450192082108370	100.00
08/24/92	LCS	450192082407320	99.00
08/24/92	LCS DUP	450192082407320	98.00
08/04/92	LCS	450292080407190	106.00
08/04/92	LCS DUP	450292080407190	113.00
08/19/92	LCS	450292081907450	105.00
08/19/92	LCS DUP	450292081907450	86.00
09/14/92	LCS	450292091407450	122.00
09/14/92	LCS DUP	450292091407450	120.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 106.9	Above acceptance :	0
Standard Deviation	: 9.77	Acceptance Criteria	54-156

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : trans-1,3-Dichloropropene			
Type of Spike : Laboratory Control			
07/15/92	LCS	450392071508470	98.00
07/15/92	LCS DUP	450392071508470	102.00
07/21/92	LCS	450392072113280	99.00
07/21/92	LCS DUP	450392072113280	92.00
08/05/92	LCS	450392080507550	100.00
08/05/92	LCS DUP	450392080507550	97.00
08/06/92	LCS	450392080607230	92.00
08/06/92	LCS DUP	450392080607230	92.00
08/11/92	LCS	450392081107410	101.00
08/11/92	LCS DUP	450392081107410	96.00
08/12/92	LCS	450392081209230	103.00
08/12/92	LCS DUP	450392081209230	101.00
08/13/92	LCS	450392081308360	100.00
08/13/92	LCS DUP	450392081308360	99.00
08/14/92	LCS	450392081408310	101.00
08/14/92	LCS DUP	450392081408310	90.00
08/17/92	LCS	450392081709090	103.00
08/17/92	LCS DUP	450392081709090	100.00
08/18/92	LCS	450392081808430	100.00
08/18/92	LCS DUP	450392081808430	94.00
08/20/92	LCS	450392082008590	108.00
08/20/92	LCS DUP	450392082008590	106.00
08/21/92	LCS	450392082107510	107.00
08/21/92	LCS DUP	450392082107510	98.00
08/27/92	LCS	450392082708330	105.00
08/27/92	LCS DUP	450392082708330	103.00
08/31/92	LCS	450392083108510	101.00
08/31/92	LCS DUP	450392083108510	94.00
09/03/92	LCS	450392090308420	103.00
09/03/92	LCS DUP	450392090308420	104.00
09/04/92	LCS	450392090408590	117.00
09/04/92	LCS DUP	450392090408590	122.00
09/09/92	LCS	450392090908420	105.00
09/09/92	LCS DUP	450392090908420	102.00
09/11/92	LCS	450392091108290	100.00
09/11/92	LCS DUP	450392091108290	104.00
09/15/92	LCS	450392091508530	100.00
09/15/92	LCS DUP	450392091508530	102.00
09/16/92	LCS	450392091608440	101.00
09/16/92	LCS DUP	450392091608440	98.00
07/22/92	LCS	450492072211010	86.00
07/22/92	LCS DUP	450492072211010	89.00
07/25/92	LCS	450492072513560	110.00
07/25/92	LCS DUP	450492072513560	109.00
07/26/92	LCS	450492072612450	105.00
07/26/92	LCS DUP	450492072612450	98.00
07/31/92	LCS	450492073111130	107.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8240			
Spiked Analyte : trans-1,3-Dichloropropene continued			
Type of Spike : Laboratory Control			
07/31/92	LCS DUP	450492073111130	107.00
08/13/92	LCS	450492081310530	89.00
08/13/92	LCS DUP	450492081310530	82.00
08/14/92	LCS	450492081410380	85.00
08/14/92	LCS DUP	450492081410380	90.00
10/12/92	LCS	450492101208290	99.00
10/12/92	LCS DUP	450492101208290	106.00
07/26/92	LCS	450192072609340	91.00
07/26/92	LCS DUP	450192072609340	88.00
07/29/92	LCS	450192072907480	86.00
07/29/92	LCS DUP	450192072907480	93.00
07/30/92	LCS	450192073007290	88.00
07/30/92	LCS DUP	450192073007290	90.00
08/07/92	LCS	450192080707000	86.00
08/07/92	LCS DUP	450192080707000	79.00
08/20/92	LCS	450192082011220	79.00
08/20/92	LCS DUP	450192082011220	89.00
08/21/92	LCS	450192082108370	86.00
08/21/92	LCS DUP	450192082108370	85.00
08/24/92	LCS	450192082407320	87.00
08/24/92	LCS DUP	450192082407320	86.00
08/04/92	LCS	450292080407190	83.00
08/04/92	LCS DUP	450292080407190	86.00
08/19/92	LCS	450292081907450	97.00
08/19/92	LCS DUP	450292081907450	91.00
09/14/92	LCS	450292091407450	108.00
09/14/92	LCS DUP	450292091407450	100.00
-----			
Number of Samples	: 74	Below acceptance :	0
Mean % Recovery	: 97.0	Above acceptance :	0
Standard Deviation	: 8.74	Acceptance Criteria	17-183
-----			

Method : SW8270  
 Spiked Analyte : 1,2,4-Trichlorobenzene

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	86.00
07/23/92	LCS DUP	MSD292072310280	82.00
08/05/92	LCS	MSD292080508200	85.00
08/05/92	LCS DUP	MSD292080508200	76.00
08/06/92	LCS	MSD292080608290	83.00
08/06/92	LCS DUP	MSD292080608290	85.00
08/09/92	LCS	MSD292080810200	89.00
08/09/92	LCS DUP	MSD292080810200	91.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 1,2,4-Trichlorobenzene continued			
Type of Spike : Laboratory Control			
08/10/92	LCS	MSD292081008350	82.00
08/10/92	LCS DUP	MSD292081008350	78.00
08/11/92	LCS	MSD292081108220	89.00
08/11/92	LCS DUP	MSD292081108220	90.00
08/17/92	LCS	MSD292081714490	92.00
08/17/92	LCS DUP	MSD292081714490	93.00
08/18/92	LCS	MSD292081808190	73.00
08/18/92	LCS DUP	MSD292081808190	90.00
08/22/92	LCS	MSD292082210460	101.00
08/22/92	LCS DUP	MSD292082210460	98.00
08/24/92	LCS	MSD292082408180	86.00
08/24/92	LCS DUP	MSD292082408180	89.00
08/12/92	LCS	MSD192081208590	95.00
08/12/92	LCS DUP	MSD192081208590	95.00
09/07/92	LCS	MSD292090710580	100.00
09/07/92	LCS DUP	MSD292090710580	103.00
09/21/92	LCS	MSD292092108300	91.00
09/21/92	LCS DUP	MSD292092108300	93.00
09/23/92	LCS	MSD292092314280	93.00
09/23/92	LCS DUP	MSD292092314280	96.00
10/14/92	LCS	MSD292101408230	92.00
10/14/92	LCS DUP	MSD292101408170	79.00
08/29/92	LCS	MSD192082911430	95.00
08/29/92	LCS DUP	MSD192082911430	85.00
08/31/92	LCS	MSD192083108300	83.00
08/31/92	LCS DUP	MSD192083108300	86.00
09/10/92	LCS DUP	MSD192091008420	110.00
09/10/92	LCS	MSD192091008420	91.00
09/10/92	LCS DUP	MSD192091008420	92.00
09/10/92	LCS	MSD192091008420	110.00
09/14/92	LCS	MSD192091409020	90.00
09/14/92	LCS DUP	MSD192091409020	90.00
09/16/92	LCS	MSD192091609020	87.00
09/16/92	LCS DUP	MSD192091609020	85.00
09/23/92	LCS	MSD192092309080	95.00
09/23/92	LCS DUP	MSD192092309080	98.00
10/23/92	LCS	MSD292102308460	104.00
10/23/92	LCS DUP	MSD292102308460	98.00
10/14/92	LCS	MSD192101413560	50.00
10/14/92	LCS DUP	MSD192101413560	46.00
10/16/92	LCS	MSD192101609100	94.00
10/16/92	LCS DUP	MSD192101609100	90.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 1,2,4-Trichlorobenzene continued			
Type of Spike : Laboratory Control			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 89.1	Above acceptance :	0
Standard Deviation	: 11.43	Acceptance Criteria	44-142
Type of Spike : Matrix Spike			
07/23/92	09-MW-04-02 MS	MSD292072310280	70.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	75.00
08/05/92	10-DS-01 MS	MSD292080508200	85.00
08/05/92	10-DS-01 MSD	MSD292080508200	84.00
08/05/92	06-DS-01 MS	MSD292080508200	83.00
08/05/92	06-DS-01 MSD	MSD292080508200	83.00
08/09/92	06-DS-02 MS	MSD292080911050	77.00
08/09/92	06-DS-02 MSD	MSD292080911050	74.00
08/11/92	05-SS-06-01 MS	MSD292081108220	82.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	87.00
08/22/92	05-MW-04-02 MS	MSD292082210460	88.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	87.00
08/12/92	05-DS-01 MS	MSD192081208590	88.00
08/12/92	05-DS-01 MSD	MSD192081208590	90.00
09/07/92	04-DS-01 MS	MSD292090710580	88.00
09/07/92	04-DS-01 MSD	MSD292090710580	92.00
09/21/92	07-SS-01-01 MS	MSD292092108300	88.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	81.00
09/24/92	07-DS-03 MSD	MSD292092408270	101.00
09/25/92	07-DS-03 MS	MSD292092508300	102.00
08/29/92	11-SS-01-01 MS	MSD192082911430	90.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	82.00
09/10/92	07-MW-03-02 MS	MSD192091008420	85.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	84.00
09/14/92	09-MW-06-02 MS	MSD192091409020	63.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	67.00
10/16/92	10-DS-02 MS	MSD192101609100	93.00
10/16/92	10-DS-02 MSD	MSD192101609100	91.00
-----			
Number of Samples	: 28	Below acceptance :	0
Mean % Recovery	: 84.3	Above acceptance :	0
Standard Deviation	: 8.89	Acceptance Criteria	44-142

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 1,2-Dichlorobenzene			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	93.00
07/23/92	LCS DUP	MSD292072310280	89.00
08/05/92	LCS	MSD292080508200	89.00
08/05/92	LCS DUP	MSD292080508200	80.00
08/06/92	LCS	MSD292080608290	86.00
08/06/92	LCS DUP	MSD292080608290	91.00
08/09/92	LCS	MSD292080810200	90.00
08/09/92	LCS DUP	MSD292080810200	93.00
08/10/92	LCS	MSD292081008350	79.00
08/10/92	LCS DUP	MSD292081008350	74.00
08/11/92	LCS	MSD292081108220	91.00
08/11/92	LCS DUP	MSD292081108220	93.00
08/17/92	LCS	MSD292081714490	91.00
08/17/92	LCS DUP	MSD292081714490	94.00
08/18/92	LCS	MSD292081808190	42.00
08/18/92	LCS DUP	MSD292081808190	89.00
08/22/92	LCS	MSD292082210460	103.00
08/22/92	LCS DUP	MSD292082210460	101.00
08/24/92	LCS	MSD292082408180	93.00
08/24/92	LCS DUP	MSD292082408180	94.00
08/12/92	LCS	MSD192081208590	100.00
08/12/92	LCS DUP	MSD192081208590	100.00
09/07/92	LCS	MSD292090710580	102.00
09/07/92	LCS DUP	MSD292090710580	104.00
09/21/92	LCS	MSD292092108300	97.00
09/21/92	LCS DUP	MSD292092108300	102.00
09/23/92	LCS	MSD292092314280	95.00
09/23/92	LCS DUP	MSD292092314280	99.00
10/14/92	LCS	MSD292101408230	103.00
10/14/92	LCS DUP	MSD292101408170	80.00
08/29/92	LCS	MSD192082911430	108.00
08/29/92	LCS DUP	MSD192082911430	94.00
08/31/92	LCS	MSD192083108300	92.00
08/31/92	LCS DUP	MSD192083108300	96.00
09/10/92	LCS DUP	MSD192091008420	120.00
09/10/92	LCS	MSD192091008420	103.00
09/10/92	LCS DUP	MSD192091008420	109.00
09/10/92	LCS	MSD192091008420	121.00
09/14/92	LCS	MSD192091409020	98.00
09/14/92	LCS DUP	MSD192091409020	99.00
09/16/92	LCS	MSD192091609020	91.00
09/16/92	LCS DUP	MSD192091609020	95.00
09/23/92	LCS	MSD192092309080	108.00
09/23/92	LCS DUP	MSD192092309080	107.00
10/23/92	LCS	MSD292102308460	104.00
10/23/92	LCS DUP	MSD292102308460	95.00
10/14/92	LCS	MSD192101413560	16.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 1,2-Dichlorobenzene continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	12.00
10/16/92	LCS	MSD192101609100	100.00
10/16/92	LCS DUP	MSD192101609100	94.00
-----			
Number of Samples	: 50	Below acceptance :	2
Mean % Recovery	: 92.0	Above acceptance :	0
Standard Deviation	: 19.96	Acceptance Criteria	32-129
Method : SW8270			
Spiked Analyte : 1,3-Dichlorobenzene			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	92.00
07/23/92	LCS DUP	MSD292072310280	89.00
08/05/92	LCS	MSD292080508200	88.00
08/05/92	LCS DUP	MSD292080508200	78.00
08/06/92	LCS	MSD292080608290	86.00
08/06/92	LCS DUP	MSD292080608290	89.00
08/09/92	LCS	MSD292080810200	88.00
08/09/92	LCS DUP	MSD292080810200	92.00
08/10/92	LCS	MSD292081008350	75.00
08/10/92	LCS DUP	MSD292081008350	72.00
08/11/92	LCS	MSD292081108220	90.00
08/11/92	LCS DUP	MSD292081108220	92.00
08/17/92	LCS	MSD292081714490	88.00
08/17/92	LCS DUP	MSD292081714490	91.00
08/18/92	LCS	MSD292081808190	32.00
08/18/92	LCS DUP	MSD292081808190	86.00
08/22/92	LCS	MSD292082210460	100.00
08/22/92	LCS DUP	MSD292082210460	98.00
08/24/92	LCS	MSD292082408180	89.00
08/24/92	LCS DUP	MSD292082408180	90.00
08/12/92	LCS	MSD192081208590	91.00
08/12/92	LCS DUP	MSD192081208590	93.00
09/07/92	LCS	MSD292090710580	99.00
09/07/92	LCS DUP	MSD292090710580	98.00
09/21/92	LCS	MSD292092108300	92.00
09/21/92	LCS DUP	MSD292092108300	96.00
09/23/92	LCS	MSD292092314280	90.00
09/23/92	LCS DUP	MSD292092314280	94.00
10/14/92	LCS	MSD292101408230	93.00
10/14/92	LCS DUP	MSD292101408170	78.00
08/29/92	LCS	MSD192082911430	98.00
08/29/92	LCS DUP	MSD192082911430	88.00
08/31/92	LCS	MSD192083108300	84.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 1,3-Dichlorobenzene continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	89.00
09/10/92	LCS DUP	MSD192091008420	115.00
09/10/92	LCS	MSD192091008420	96.00
09/10/92	LCS DUP	MSD192091008420	96.00
09/10/92	LCS	MSD192091008420	110.00
09/14/92	LCS	MSD192091409020	93.00
09/14/92	LCS DUP	MSD192091409020	88.00
09/16/92	LCS	MSD192091609020	85.00
09/16/92	LCS DUP	MSD192091609020	88.00
09/23/92	LCS	MSD192092309080	101.00
09/23/92	LCS DUP	MSD192092309080	97.00
10/23/92	LCS	MSD292102308460	99.00
10/23/92	LCS DUP	MSD292102308460	90.00
10/14/92	LCS	MSD192101413560	11.00
10/14/92	LCS DUP	MSD192101413560	7.00
10/16/92	LCS	MSD192101609100	95.00
10/16/92	LCS DUP	MSD192101609100	90.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 87.0	Above acceptance :	0
Standard Deviation	: 19.61	Acceptance Criteria	D-172

Method : SW8270  
Spiked Analyte : 1,4-Dichlorobenzene

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	87.00
07/23/92	LCS DUP	MSD292072310280	85.00
08/05/92	LCS	MSD292080508200	84.00
08/05/92	LCS DUP	MSD292080508200	75.00
08/06/92	LCS	MSD292080608290	82.00
08/06/92	LCS DUP	MSD292080608290	86.00
08/09/92	LCS	MSD292080810200	85.00
08/09/92	LCS DUP	MSD292080810200	88.00
08/10/92	LCS	MSD292081008350	74.00
08/10/92	LCS DUP	MSD292081008350	69.00
08/11/92	LCS	MSD292081108220	86.00
08/11/92	LCS DUP	MSD292081108220	89.00
08/17/92	LCS	MSD292081714490	84.00
08/17/92	LCS DUP	MSD292081714490	86.00
08/18/92	LCS	MSD292081808190	32.00
08/18/92	LCS DUP	MSD292081808190	81.00
08/22/92	LCS	MSD292082210460	94.00
08/22/92	LCS DUP	MSD292082210460	93.00
08/24/92	LCS	MSD292082408180	84.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 1,4-Dichlorobenzene continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	85.00
08/12/92	LCS	MSD192081208590	94.00
08/12/92	LCS DUP	MSD192081208590	95.00
09/07/92	LCS	MSD292090710580	92.00
09/07/92	LCS DUP	MSD292090710580	93.00
09/21/92	LCS	MSD292092108300	88.00
09/21/92	LCS DUP	MSD292092108300	91.00
09/23/92	LCS	MSD292092314280	84.00
09/23/92	LCS DUP	MSD292092314280	89.00
10/14/92	LCS	MSD292101408230	92.00
10/14/92	LCS DUP	MSD292101408170	73.00
08/29/92	LCS	MSD192082911430	102.00
08/29/92	LCS DUP	MSD192082911430	90.00
08/31/92	LCS	MSD192083108300	86.00
08/31/92	LCS DUP	MSD192083108300	90.00
09/10/92	LCS DUP	MSD192091008420	117.00
09/10/92	LCS	MSD192091008420	96.00
09/10/92	LCS DUP	MSD192091008420	102.00
09/10/92	LCS	MSD192091008420	116.00
09/14/92	LCS	MSD192091409020	92.00
09/14/92	LCS DUP	MSD192091409020	92.00
09/16/92	LCS	MSD192091609020	86.00
09/16/92	LCS DUP	MSD192091609020	89.00
09/23/92	LCS	MSD192092309080	100.00
09/23/92	LCS DUP	MSD192092309080	101.00
10/23/92	LCS	MSD292102308460	92.00
10/23/92	LCS DUP	MSD292102308460	84.00
10/14/92	LCS	MSD192101413560	10.00
10/14/92	LCS DUP	MSD192101413560	7.00
10/16/92	LCS	MSD192101609100	96.00
10/16/92	LCS DUP	MSD192101609100	91.00

Number of Samples : 50  
Mean % Recovery : 85.2  
Standard Deviation : 19.84

Below acceptance : 2  
Above acceptance : 0  
Acceptance Criteria 20-124

Type of Spike : Matrix Spike

07/23/92	09-MW-04-02 MS	MSD292072310280	63.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	66.00
08/05/92	10-DS-01 MS	MSD292080508200	84.00
08/05/92	10-DS-01 MSD	MSD292080508200	81.00
08/05/92	06-DS-01 MS	MSD292080508200	81.00
08/05/92	06-DS-01 MSD	MSD292080508200	81.00
08/09/92	06-DS-02 MS	MSD292080911050	71.00
08/09/92	06-DS-02 MSD	MSD292080911050	72.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 1,4-Dichlorobenzene continued			
Type of Spike : Matrix Spike			
08/11/92	05-SS-06-01 MS	MSD292081108220	81.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	86.00
08/22/92	05-MW-04-02 MS	MSD292082210460	80.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	83.00
08/12/92	05-DS-01 MS	MSD192081208590	94.00
08/12/92	05-DS-01 MSD	MSD192081208590	84.00
09/07/92	04-DS-01 MS	MSD292090710580	79.00
09/07/92	04-DS-01 MSD	MSD292090710580	83.00
09/21/92	07-SS-01-01 MS	MSD292092108300	84.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	77.00
09/24/92	07-DS-03 MSD	MSD292092408270	95.00
09/25/92	07-DS-03 MS	MSD292092508300	91.00
08/29/92	11-SS-01-01 MS	MSD192082911430	91.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	86.00
09/10/92	07-MW-03-02 MS	MSD192091008420	90.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	88.00
09/14/92	09-MW-06-02 MS	MSD192091409020	42.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	51.00
10/16/92	10-DS-02 MS	MSD192101609100	89.00
10/16/92	10-DS-02 MSD	MSD192101609100	88.00
-----			
Number of Samples	: 28	Below acceptance :	0
Mean % Recovery	: 80.0	Above acceptance :	0
Standard Deviation	: 12.23	Acceptance Criteria	20-124

Method : SW8270  
Spiked Analyte : 2,4,5-Trichlorophenol

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	82.00
07/23/92	LCS DUP	MSD292072310280	83.00
08/05/92	LCS	MSD292080508200	84.00
08/05/92	LCS DUP	MSD292080508200	74.00
08/06/92	LCS	MSD292080608290	85.00
08/06/92	LCS DUP	MSD292080608290	88.00
08/09/92	LCS	MSD292080810200	88.00
08/09/92	LCS DUP	MSD292080810200	89.00
08/10/92	LCS	MSD292081008350	86.00
08/10/92	LCS DUP	MSD292081008350	82.00
08/11/92	LCS	MSD292081108220	95.00
08/11/92	LCS DUP	MSD292081108220	97.00
08/17/92	LCS	MSD292081714490	85.00
08/17/92	LCS DUP	MSD292081714490	85.00
08/18/92	LCS	MSD292081808190	79.00
08/18/92	LCS DUP	MSD292081808190	82.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8270

Spiked Analyte : 2,4,5-Trichlorophenol continued

Type of Spike : Laboratory Control

08/22/92	LCS	MSD292082210460	90.00
08/22/92	LCS DUP	MSD292082210460	88.00
08/24/92	LCS	MSD292082408180	80.00
08/24/92	LCS DUP	MSD292082408180	84.00
08/12/92	LCS	MSD192081208590	92.00
08/12/92	LCS DUP	MSD192081208590	96.00
09/07/92	LCS	MSD292090710580	81.00
09/07/92	LCS DUP	MSD292090710580	86.00
09/21/92	LCS	MSD292092108300	86.00
09/21/92	LCS DUP	MSD292092108300	91.00
09/23/92	LCS	MSD292092314280	84.00
09/23/92	LCS DUP	MSD292092314280	100.00
10/14/92	LCS	MSD292101408230	90.00
10/14/92	LCS DUP	MSD292101408170	87.00
08/29/92	LCS	MSD192082911430	93.00
08/29/92	LCS DUP	MSD192082911430	95.00
08/31/92	LCS	MSD192083108300	80.00
08/31/92	LCS DUP	MSD192083108300	84.00
09/10/92	LCS DUP	MSD192091008420	88.00
09/10/92	LCS	MSD192091008420	88.00
09/10/92	LCS DUP	MSD192091008420	91.00
09/10/92	LCS	MSD192091008420	74.00
09/14/92	LCS	MSD192091409020	98.00
09/14/92	LCS DUP	MSD192091409020	92.00
09/16/92	LCS	MSD192091609020	95.00
09/16/92	LCS DUP	MSD192091609020	90.00
09/23/92	LCS	MSD192092309080	95.00
09/23/92	LCS DUP	MSD192092309080	94.00
10/23/92	LCS	MSD292102308460	98.00
10/23/92	LCS DUP	MSD292102308460	94.00
10/14/92	LCS	MSD192101413560	84.00
10/14/92	LCS DUP	MSD192101413560	84.00
10/16/92	LCS	MSD192101609100	102.00
10/16/92	LCS DUP	MSD192101609100	96.00

Number of Samples : 50  
Mean % Recovery : 88.3  
Standard Deviation : 6.42

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria NS

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2,4,6-Tribromophenol			
Type of Spike : Surrogate			
07/23/92	09-MW-04-02	MSD292072310280	89.00
07/23/92	09-MW-04-02 MS	MSD292072310280	91.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	92.00
07/23/92	09-MW-01-02	MSD292072310280	86.00
07/23/92	09-MW-02-02	MSD292072310280	83.00
07/23/92	10-MW-02-01	MSD292072310280	91.00
07/23/92	10-MW-03-01	MSD292072310280	82.00
07/23/92	10-SB-03-01	MSD292072310280	84.00
07/23/92	10-SB-03-02	MSD292072310280	85.00
07/23/92	10-SB-03-03	MSD292072310280	82.00
08/05/92	10-DS-01	MSD292080508200	93.00
08/05/92	10-DS-01 MS	MSD292080508200	95.00
08/05/92	10-DS-01 MSD	MSD292080508200	97.00
08/05/92	10-SB-02-02	MSD292080508200	92.00
08/05/92	10-MW-01-01	MSD292080508200	91.00
08/05/92	10-SB-02-01	MSD292080508200	88.00
08/05/92	06-MW-04-02	MSD292080508200	86.00
08/05/92	06-SB-02-01	MSD292080508200	81.00
08/05/92	06-SB-02-02	MSD292080508200	90.00
08/05/92	10-SB-01-01	MSD292080508200	87.00
08/05/92	10-SB-01-02	MSD292080508200	91.00
08/05/92	06-DS-01	MSD292080508200	90.00
08/05/92	06-DS-01 MS	MSD292080508200	92.00
08/05/92	06-DS-01 MSD	MSD292080508200	90.00
08/06/92	06-MW-03-02	MSD292080608290	97.00
08/09/92	06-DS-02	MSD292080911050	95.00
08/09/92	06-DS-02 MS	MSD292080911050	95.00
08/09/92	06-DS-02 MSD	MSD292080911050	88.00
08/09/92	06-SS-06-01	MSD292080911050	99.00
08/09/92	06-SB-01-01	MSD292080911050	96.00
08/09/92	06-MW-01-02	MSD292080911050	21.00
08/10/92	11-SB-01-02	MSD292081008350	91.00
08/10/92	06-SB-01-02	MSD292081008350	91.00
08/10/92	11-SB-01-01	MSD292081008350	97.00
08/10/92	06-MW-02-02	MSD292081008350	81.00
08/10/92	06-SS-04-01	MSD292081008350	91.00
08/10/92	06-SS-05-01	MSD292081008350	89.00
08/11/92	05-SS-06-01	MSD292081108220	92.00
08/11/92	05-SS-06-01 MS	MSD292081108220	91.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	96.00
08/11/92	05-SS-03-01	MSD292081108220	98.00
08/11/92	05-SS-02-01	MSD292081108220	95.00
08/11/92	05-SS-01-01	MSD292081108220	96.00
08/11/92	05-SS-04-01	MSD292081108220	96.00
08/11/92	05-MW-02-02	MSD292081108220	93.00
08/22/92	05-MW-04-02	MSD292082210460	103.00
08/22/92	05-MW-04-02 MS	MSD292082210460	105.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2,4,6-Tribromophenol continued			
Type of Spike : Surrogate			
08/22/92	05-MW-04-02 MSD	MSD292082210460	107.00
08/22/92	05-MW-05-02	MSD292082210460	112.00
08/22/92	05-MW-06-02	MSD292082210460	96.00
08/22/92	05-SS-05-01	MSD292082210460	91.00
08/22/92	05-SS-08-01	MSD292082210460	92.00
08/22/92	05-SS-09-01	MSD292082210460	101.00
08/22/92	05-SS-07-01	MSD292082210460	97.00
08/22/92	05-SD-01-01	MSD292082210460	94.00
08/22/92	05-DS-04	MSD292082210460	91.00
08/22/92	05-SS-10-01	MSD292082210460	96.00
08/22/92	05-SS-11-01	MSD292082210460	98.00
08/22/92	05-SS-14-01	MSD292082210460	82.00
08/24/92	06-SS-01-01	MSD292082408180	101.00
08/24/92	06-SS-02-01	MSD292082408180	99.00
08/24/92	06-SS-03-01	MSD292082408180	92.00
08/24/92	05-SD-02-01	MSD292082408180	93.00
08/24/92	05-SS-13-01	MSD292082408180	86.00
08/24/92	05-DS-03	MSD292082408180	85.00
08/12/92	05-DS-01	MSD192081208590	23.00
08/12/92	05-DS-01 MS	MSD192081208590	119.00
08/12/92	05-DS-01 MSD	MSD192081208590	119.00
08/12/92	05-SB-01-03	MSD192081208590	122.00
08/12/92	05-SB-01-01	MSD192081208590	58.00
08/12/92	05-SB-01-02	MSD192081208590	119.00
08/12/92	05-SB-02-03	MSD192081208590	129.00
08/13/92	05-SB-02-01	MSD192081308540	117.00
08/13/92	05-SB-02-02	MSD192081308540	133.00
08/13/92	05-SB-02-04	MSD192081308540	119.00
08/13/92	05-SB-03-01	MSD192081308540	119.00
08/13/92	05-SB-03-02	MSD192081308540	115.00
08/13/92	05-MW-03-02	MSD192081308540	118.00
08/13/92	05-MW-01-02	MSD192081308540	122.00
08/13/92	05-DS-02	MSD192081308540	118.00
09/07/92	04-DS-01	MSD292090710580	98.00
09/07/92	04-DS-01 MS	MSD292090710580	92.00
09/07/92	04-DS-01 MSD	MSD292090710580	94.00
09/07/92	04-SS-03-01	MSD292090710580	98.00
09/07/92	04-SD-01-01	MSD292090710580	87.00
09/07/92	04-SD-02-01	MSD292090710580	93.00
09/07/92	04-SS-01-01	MSD292090710580	92.00
09/07/92	04-SS-02-01	MSD292090710580	89.00
09/07/92	04-DS-02	MSD292090710580	89.00
09/07/92	04-SD-03-01	MSD292090710580	88.00
09/07/92	04-SD-04-01	MSD292090710580	87.00
09/07/92	09-MW-05-02	MSD292090710580	81.00
09/07/92	09-MW-03-02	MSD292090710580	78.00
09/07/92	04-MW-03-02	MSD292090710580	84.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2,4,6-Tribromophenol continued			
Type of Spike : Surrogate			
09/07/92	04-MW-02-02	MSD292090710580	84.00
09/21/92	07-SS-01-01	MSD292092108300	97.00
09/21/92	07-SS-01-01 MS	MSD292092108300	104.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	101.00
09/21/92	07-SS-02-01	MSD292092108300	101.00
09/21/92	07-SS-03-01	MSD292092108300	102.00
09/21/92	07-SS-04-01	MSD292092108300	93.00
09/21/92	07-SS-05-01	MSD292092108300	88.00
09/21/92	07-DS-02	MSD292092108300	96.00
09/21/92	07-DS-03	MSD292092108300	105.00
09/21/92	07-SD-02-01	MSD292092108300	97.00
09/24/92	07-DS-03	MSD292092408270	133.00
09/24/92	07-DS-03 MSD	MSD292092408270	132.00
09/24/92	07-SD-01-01	MSD292092408270	102.00
09/25/92	07-DS-03 MS	MSD292092508300	116.00
08/29/92	11-SS-01-01	MSD192082911430	106.00
08/29/92	11-SS-01-01 MS	MSD192082911430	107.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	98.00
08/31/92	05-SS-12-01	MSD192083108300	93.00
09/01/92	05-SS-15-01	MSD192083108300	96.00
09/01/92	06-SD-01-01	MSD192083108300	105.00
09/01/92	06-SD-02-01	MSD192083108300	94.00
09/10/92	07-MW-03-02	MSD192091008420	85.00
09/10/92	07-MW-03-02 MS	MSD192091008420	93.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	89.00
09/10/92	07-MW-02-02	MSD192091008420	96.00
09/10/92	07-DS-01	MSD192091008420	94.00
09/10/92	07-SB-01-01	MSD192091008420	93.00
09/10/92	07-SB-03-01	MSD192091008420	94.00
09/10/92	07-SB-02-01	MSD192091008420	93.00
09/10/92	07-MW-01-02	MSD192091008420	82.00
09/10/92	05-MW-04-02	MSD192091008420	88.00
09/10/92	07-MW-04-02	MSD192091008420	98.00
09/14/92	09-MW-06-02	MSD192091409020	96.00
09/14/92	09-MW-06-02 MS	MSD192091409020	96.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	88.00
09/14/92	09-DS-01	MSD192091409020	94.00
09/14/92	04-MW-01-02	MSD192091409020	85.00
09/14/92	04-MW-04-02	MSD192091409020	108.00
09/23/92	09-SS-02-01	MSD192092309080	93.00
09/23/92	09-SS-01-01	MSD192092309080	96.00
09/23/92	09-SS-03-01	MSD192092309080	89.00
10/14/92	12-MW-01-02	MSD192101413560	79.00
10/14/92	12-MW-02-02	MSD192101413560	70.00
10/16/92	10-DS-02	MSD192101609100	92.00
10/16/92	10-DS-02 MS	MSD192101609100	101.00
10/16/92	10-DS-02 MSD	MSD192101609100	98.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2,4,6-Tribromophenol continued			
Type of Spike : Surrogate			
10/16/92	10-SS-01-01	MSD192101609100	105.00
10/16/92	10-SS-02-01	MSD192101609100	105.00
10/16/92	10-SS-03-01	MSD192101609100	97.00
10/16/92	10-SS-04-01	MSD192101609100	101.00
10/16/92	10-SS-05-01	MSD192101609100	96.00
10/16/92	10-SS-06-01	MSD192101609100	90.00
-----			
Number of Samples	: 147	Below acceptance :	0
Mean % Recovery	: 95.0	Above acceptance :	4
Standard Deviation	: 14.52	Acceptance Criteria	19-122
Type of Spike : Surrogate - Blank Sample			
07/23/92	METHOD BLANK	MSD292072310280	85.00
08/05/92	METHOD BLANK	MSD292080508200	87.00
08/06/92	METHOD BLANK	MSD292080608290	92.00
08/09/92	METHOD BLANK	MSD292080911050	93.00
08/10/92	METHOD BLANK	MSD292081008350	98.00
08/11/92	METHOD BLANK	MSD292081108220	97.00
08/12/92	METHOD BLANK	MSD292081208090	90.00
08/17/92	METHOD BLANK	MSD292081714490	91.00
08/18/92	METHOD BLANK	MSD292081808190	77.00
08/22/92	METHOD BLANK	MSD292082210460	98.00
08/24/92	METHOD BLANK	MSD292082408180	98.00
08/12/92	METHOD BLANK	MSD192081208590	103.00
08/13/92	METHOD BLANK	MSD192081308540	113.00
09/07/92	METHOD BLANK	MSD292090710580	94.00
09/21/92	METHOD BLANK	MSD292092108300	95.00
09/23/92	METHOD BLANK	MSD292092314280	81.00
08/29/92	METHOD BLANK	MSD192082911430	91.00
08/31/92	METHOD BLANK	MSD192083108300	91.00
09/10/92	METHOD BLANK	MSD192091008420	86.00
09/14/92	METHOD BLANK	MSD192091409020	92.00
09/16/92	METHOD BLANK	MSD192091609020	93.00
09/23/92	METHOD BLANK	MSD192092309080	87.00
10/14/92	METHOD BLANK	MSD192101413560	86.00
10/16/92	METHOD BLANK	MSD192101609100	96.00
-----			
Number of Samples	: 24	Below acceptance :	0
Mean % Recovery	: 92.3	Above acceptance :	0
Standard Deviation	: 7.37	Acceptance Criteria	19-122

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2,4,6-Tribromophenol continued			
Type of Spike : Surrogate - Laboratory Control			
Type of Spike : Surrogate - Laboratory Control			
07/23/92	LCS	MSD292072310280	96.00
07/23/92	LCS DUP	MSD292072310280	94.00
08/05/92	LCS	MSD292080508200	98.00
08/05/92	LCS DUP	MSD292080508200	87.00
08/06/92	LCS	MSD292080608290	100.00
08/06/92	LCS DUP	MSD292080608290	100.00
08/09/92	LCS	MSD292080810200	100.00
08/09/92	LCS DUP	MSD292080810200	103.00
08/10/92	LCS	MSD292081008350	103.00
08/10/92	LCS DUP	MSD292081008350	98.00
08/11/92	LCS	MSD292081108220	96.00
08/11/92	LCS DUP	MSD292081108220	99.00
08/17/92	LCS	MSD292081714490	94.00
08/17/92	LCS DUP	MSD292081714490	95.00
08/18/92	LCS	MSD292081808190	99.00
08/18/92	LCS DUP	MSD292081808190	101.00
08/22/92	LCS	MSD292082210460	109.00
08/22/92	LCS DUP	MSD292082210460	111.00
08/24/92	LCS	MSD292082408180	102.00
08/24/92	LCS DUP	MSD292082408180	108.00
08/12/92	LCS	MSD192081208590	107.00
08/12/92	LCS DUP	MSD192081208590	112.00
09/07/92	LCS	MSD292090710580	94.00
09/07/92	LCS DUP	MSD292090710580	97.00
09/21/92	LCS	MSD292092108300	96.00
09/21/92	LCS DUP	MSD292092108300	100.00
09/23/92	LCS	MSD292092314280	91.00
09/23/92	LCS DUP	MSD292092314280	86.00
10/14/92	LCS	MSD292101408230	81.00
10/14/92	LCS DUP	MSD292101408170	98.00
08/29/92	LCS	MSD192082911430	97.00
08/29/92	LCS DUP	MSD192082911430	102.00
08/31/92	LCS	MSD192083108300	91.00
08/31/92	LCS DUP	MSD192083108300	92.00
09/10/92	LCS DUP	MSD192091008420	93.00
09/10/92	LCS	MSD192091008420	94.00
09/10/92	LCS DUP	MSD192091008420	100.00
09/10/92	LCS	MSD192091008420	89.00
09/14/92	LCS	MSD192091409020	100.00
09/14/92	LCS DUP	MSD192091409020	92.00
09/16/92	LCS	MSD192091609020	106.00
09/16/92	LCS DUP	MSD192091609020	106.00
09/23/92	LCS	MSD192092309080	95.00
09/23/92	LCS DUP	MSD192092309080	98.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2,4,6-Tribromophenol continued			
Type of Spike : Surrogate - Laboratory Control			
10/23/92	LCS	MSD292102308460	96.00
10/23/92	LCS DUP	MSD292102308460	92.00
10/14/92	LCS	MSD192101413560	87.00
10/14/92	LCS DUP	MSD192101413560	92.00
10/16/92	LCS	MSD192101609100	97.00
10/16/92	LCS DUP	MSD192101609100	86.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 97.2	Above acceptance :	0
Standard Deviation	: 6.62	Acceptance Criteria	19-122

Method : SW8270  
Spiked Analyte : 2,4,6-Trichlorophenol

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	65.00
07/23/92	LCS DUP	MSD292072310280	65.00
08/05/92	LCS	MSD292080508200	68.00
08/05/92	LCS DUP	MSD292080508200	60.00
08/06/92	LCS	MSD292080608290	67.00
08/06/92	LCS DUP	MSD292080608290	69.00
08/09/92	LCS	MSD292080810200	70.00
08/09/92	LCS DUP	MSD292080810200	72.00
08/10/92	LCS	MSD292081008350	69.00
08/10/92	LCS DUP	MSD292081008350	65.00
08/11/92	LCS	MSD292081108220	75.00
08/11/92	LCS DUP	MSD292081108220	78.00
08/17/92	LCS	MSD292081714490	72.00
08/17/92	LCS DUP	MSD292081714490	73.00
08/18/92	LCS	MSD292081808190	64.00
08/18/92	LCS DUP	MSD292081808190	67.00
08/22/92	LCS	MSD292082210460	75.00
08/22/92	LCS DUP	MSD292082210460	73.00
08/24/92	LCS	MSD292082408180	66.00
08/24/92	LCS DUP	MSD292082408180	69.00
08/12/92	LCS	MSD192081208590	74.00
08/12/92	LCS DUP	MSD192081208590	76.00
09/07/92	LCS	MSD292090710580	65.00
09/07/92	LCS DUP	MSD292090710580	69.00
09/21/92	LCS	MSD292092108300	73.00
09/21/92	LCS DUP	MSD292092108300	75.00
09/23/92	LCS	MSD292092314280	68.00
09/23/92	LCS DUP	MSD292092314280	82.00
10/14/92	LCS	MSD292101408230	73.00
10/14/92	LCS DUP	MSD292101408170	70.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2,4,6-Trichlorophenol continued			
Type of Spike : Laboratory Control			
08/29/92	LCS	MSD192082911430	71.00
08/29/92	LCS DUP	MSD192082911430	74.00
08/31/92	LCS	MSD192083108300	62.00
08/31/92	LCS DUP	MSD192083108300	67.00
09/10/92	LCS DUP	MSD192091008420	71.00
09/10/92	LCS	MSD192091008420	67.00
09/10/92	LCS DUP	MSD192091008420	72.00
09/10/92	LCS	MSD192091008420	67.00
09/14/92	LCS	MSD192091409020	78.00
09/14/92	LCS DUP	MSD192091409020	72.00
09/16/92	LCS	MSD192091609020	76.00
09/16/92	LCS DUP	MSD192091609020	72.00
09/23/92	LCS	MSD192092309080	76.00
09/23/92	LCS DUP	MSD192092309080	73.00
10/23/92	LCS	MSD292102308460	79.00
10/23/92	LCS DUP	MSD292102308460	76.00
10/14/92	LCS	MSD192101413560	69.00
10/14/92	LCS DUP	MSD192101413560	66.00
10/16/92	LCS	MSD192101609100	78.00
10/16/92	LCS DUP	MSD192101609100	76.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 71.0	Above acceptance :	0
Standard Deviation	: 4.77	Acceptance Criteria	37-144

Method : SW8270  
 Spiked Analyte : 2,4-Dichlorophenol  
 Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	75.00
07/23/92	LCS DUP	MSD292072310280	75.00
08/05/92	LCS	MSD292080508200	78.00
08/05/92	LCS DUP	MSD292080508200	70.00
08/06/92	LCS	MSD292080608290	78.00
08/06/92	LCS DUP	MSD292080608290	81.00
08/09/92	LCS	MSD292080810200	83.00
08/09/92	LCS DUP	MSD292080810200	85.00
08/10/92	LCS	MSD292081008350	79.00
08/10/92	LCS DUP	MSD292081008350	76.00
08/11/92	LCS	MSD292081108220	87.00
08/11/92	LCS DUP	MSD292081108220	90.00
08/17/92	LCS	MSD292081714490	85.00
08/17/92	LCS DUP	MSD292081714490	88.00
08/18/92	LCS	MSD292081808190	73.00
08/18/92	LCS DUP	MSD292081808190	81.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8270

Spiked Analyte : 2,4-Dichlorophenol continued

Type of Spike : Laboratory Control

08/22/92	LCS	MSD292082210460	91.00
08/22/92	LCS DUP	MSD292082210460	88.00
08/24/92	LCS	MSD292082408180	81.00
08/24/92	LCS DUP	MSD292082408180	82.00
08/12/92	LCS	MSD192081208590	88.00
08/12/92	LCS DUP	MSD192081208590	93.00
09/07/92	LCS	MSD292090710580	81.00
09/07/92	LCS DUP	MSD292090710580	84.00
09/21/92	LCS	MSD292092108300	89.00
09/21/92	LCS DUP	MSD292092108300	90.00
09/23/92	LCS	MSD292092314280	78.00
09/23/92	LCS DUP	MSD292092314280	82.00
10/14/92	LCS	MSD292101408230	88.00
10/14/92	LCS DUP	MSD292101408170	72.00
08/29/92	LCS	MSD192082911430	88.00
08/29/92	LCS DUP	MSD192082911430	84.00
08/31/92	LCS	MSD192083108300	77.00
08/31/92	LCS DUP	MSD192083108300	80.00
09/10/92	LCS DUP	MSD192091008420	81.00
09/10/92	LCS	MSD192091008420	80.00
09/10/92	LCS DUP	MSD192091008420	85.00
09/10/92	LCS	MSD192091008420	80.00
09/14/92	LCS	MSD192091409020	90.00
09/14/92	LCS DUP	MSD192091409020	89.00
09/16/92	LCS	MSD192091609020	85.00
09/16/92	LCS DUP	MSD192091609020	84.00
09/23/92	LCS	MSD192092309080	91.00
09/23/92	LCS DUP	MSD192092309080	89.00
10/23/92	LCS	MSD292102308460	99.00
10/23/92	LCS DUP	MSD292102308460	94.00
10/14/92	LCS	MSD192101413560	67.00
10/14/92	LCS DUP	MSD192101413560	65.00
10/16/92	LCS	MSD192101609100	92.00
10/16/92	LCS DUP	MSD192101609100	86.00

Number of Samples : 50  
Mean % Recovery : 83.1  
Standard Deviation : 7.05

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria 39-135

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2,4-Dimethylphenol			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	48.00
07/23/92	LCS DUP	MSD292072310280	47.00
08/05/92	LCS	MSD292080508200	48.00
08/05/92	LCS DUP	MSD292080508200	41.00
08/06/92	LCS	MSD292080608290	40.00
08/06/92	LCS DUP	MSD292080608290	39.00
08/09/92	LCS	MSD292080810200	60.00
08/09/92	LCS DUP	MSD292080810200	61.00
08/10/92	LCS	MSD292081008350	48.00
08/10/92	LCS DUP	MSD292081008350	46.00
08/11/92	LCS	MSD292081108220	58.00
08/11/92	LCS DUP	MSD292081108220	59.00
08/17/92	LCS	MSD292081714490	50.00
08/17/92	LCS DUP	MSD292081714490	57.00
08/18/92	LCS	MSD292081808190	63.00
08/18/92	LCS DUP	MSD292081808190	68.00
08/22/92	LCS	MSD292082210460	63.00
08/22/92	LCS DUP	MSD292082210460	55.00
08/24/92	LCS	MSD292082408180	44.00
08/24/92	LCS DUP	MSD292082408180	42.00
08/12/92	LCS	MSD192081208590	56.00
08/12/92	LCS DUP	MSD192081208590	63.00
09/07/92	LCS	MSD292090710580	46.00
09/07/92	LCS DUP	MSD292090710580	51.00
09/21/92	LCS	MSD292092108300	48.00
09/21/92	LCS DUP	MSD292092108300	50.00
09/23/92	LCS	MSD292092314280	45.00
09/23/92	LCS DUP	MSD292092314280	46.00
10/14/92	LCS	MSD292101408230	66.00
10/14/92	LCS DUP	MSD292101408170	55.00
08/29/92	LCS	MSD192082911430	58.00
08/29/92	LCS DUP	MSD192082911430	51.00
08/31/92	LCS	MSD192083108300	46.00
08/31/92	LCS DUP	MSD192083108300	38.00
09/10/92	LCS DUP	MSD192091008420	47.00
09/10/92	LCS	MSD192091008420	44.00
09/10/92	LCS DUP	MSD192091008420	50.00
09/10/92	LCS	MSD192091008420	45.00
09/14/92	LCS	MSD192091409020	71.00
09/14/92	LCS DUP	MSD192091409020	71.00
09/16/92	LCS	MSD192091609020	95.00
09/16/92	LCS DUP	MSD192091609020	92.00
09/23/92	LCS	MSD192092309080	48.00
09/23/92	LCS DUP	MSD192092309080	50.00
10/23/92	LCS	MSD292102308460	59.00
10/23/92	LCS DUP	MSD292102308460	56.00
10/14/92	LCS	MSD192101413560	70.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2,4-Dimethylphenol continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	65.00
10/16/92	LCS	MSD192101609100	53.00
10/16/92	LCS DUP	MSD192101609100	51.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 54.5	Above acceptance :	0
Standard Deviation	: 11.79	Acceptance Criteria	32-119
Method : SW8270			
Spiked Analyte : 2,4-Dinitrophenol			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	95.00
07/23/92	LCS DUP	MSD292072310280	145.00
08/05/92	LCS	MSD292080508200	169.00
08/05/92	LCS DUP	MSD292080508200	135.00
08/06/92	LCS	MSD292080608290	173.00
08/06/92	LCS DUP	MSD292080608290	185.00
08/09/92	LCS	MSD292080810200	167.00
08/09/92	LCS DUP	MSD292080810200	159.00
08/10/92	LCS	MSD292081008350	168.00
08/10/92	LCS DUP	MSD292081008350	159.00
08/11/92	LCS	MSD292081108220	197.00
08/11/92	LCS DUP	MSD292081108220	207.00
08/17/92	LCS	MSD292081714490	100.00
08/17/92	LCS DUP	MSD292081714490	101.00
08/18/92	LCS	MSD292081808190	69.00
08/18/92	LCS DUP	MSD292081808190	73.00
08/22/92	LCS	MSD292082210460	107.00
08/22/92	LCS DUP	MSD292082210460	104.00
08/24/92	LCS	MSD292082408180	94.00
08/24/92	LCS DUP	MSD292082408180	100.00
08/12/92	LCS	MSD192081208590	164.00
08/12/92	LCS DUP	MSD192081208590	159.00
09/07/92	LCS	MSD292090710580	88.00
09/07/92	LCS DUP	MSD292090710580	97.00
09/21/92	LCS	MSD292092108300	102.00
09/21/92	LCS DUP	MSD292092108300	110.00
09/23/92	LCS	MSD292092314280	85.00
09/23/92	LCS DUP	MSD292092314280	87.00
10/14/92	LCS	MSD292101408230	120.00
10/14/92	LCS DUP	MSD292101408170	109.00
08/29/92	LCS	MSD192082911430	171.00
08/29/92	LCS DUP	MSD192082911430	167.00
08/31/92	LCS	MSD192083108300	130.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2,4-Dinitrophenol continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	148.00
09/10/92	LCS DUP	MSD192091008420	154.00
09/10/92	LCS	MSD192091008420	150.00
09/10/92	LCS DUP	MSD192091008420	155.00
09/10/92	LCS	MSD192091008420	116.00
09/14/92	LCS	MSD192091409020	125.00
09/14/92	LCS DUP	MSD192091409020	133.00
09/16/92	LCS	MSD192091609020	148.00
09/16/92	LCS DUP	MSD192091609020	149.00
09/23/92	LCS	MSD192092309080	161.00
09/23/92	LCS DUP	MSD192092309080	166.00
10/23/92	LCS	MSD292102308460	121.00
10/23/92	LCS DUP	MSD292102308460	115.00
10/14/92	LCS	MSD192101413560	147.00
10/14/92	LCS DUP	MSD192101413560	157.00
10/16/92	LCS	MSD192101609100	184.00
10/16/92	LCS DUP	MSD192101609100	181.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 136.1	Above acceptance :	2
Standard Deviation	: 34.54	Acceptance Criteria	D-191

Method : SW8270  
Spiked Analyte : 2,4-Dinitrotoluene

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	116.00
07/23/92	LCS DUP	MSD292072310280	116.00
08/05/92	LCS	MSD292080508200	120.00
08/05/92	LCS DUP	MSD292080508200	102.00
08/06/92	LCS	MSD292080608290	118.00
08/06/92	LCS DUP	MSD292080608290	121.00
08/09/92	LCS	MSD292080810200	123.00
08/09/92	LCS DUP	MSD292080810200	125.00
08/10/92	LCS	MSD292081008350	121.00
08/10/92	LCS DUP	MSD292081008350	117.00
08/11/92	LCS	MSD292081108220	125.00
08/11/92	LCS DUP	MSD292081108220	125.00
08/17/92	LCS	MSD292081714490	100.00
08/17/92	LCS DUP	MSD292081714490	100.00
08/18/92	LCS	MSD292081808190	100.00
08/18/92	LCS DUP	MSD292081808190	94.00
08/22/92	LCS	MSD292082210460	106.00
08/22/92	LCS DUP	MSD292082210460	106.00
08/24/92	LCS	MSD292082408180	95.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8270

Spiked Analyte : 2,4-Dinitrotoluene continued

Type of Spike : Laboratory Control

08/24/92	LCS DUP	MSD292082408180	102.00
08/12/92	LCS	MSD192081208590	97.00
08/12/92	LCS DUP	MSD192081208590	96.00
09/07/92	LCS	MSD292090710580	99.00
09/07/92	LCS DUP	MSD292090710580	103.00
09/21/92	LCS	MSD292092108300	93.00
09/21/92	LCS DUP	MSD292092108300	98.00
09/23/92	LCS	MSD292092314280	96.00
09/23/92	LCS DUP	MSD292092314280	103.00
10/14/92	LCS	MSD292101408230	77.00
10/14/92	LCS DUP	MSD292101408170	92.00
08/29/92	LCS	MSD192082911430	99.00
08/29/92	LCS DUP	MSD192082911430	97.00
08/31/92	LCS	MSD192083108300	86.00
08/31/92	LCS DUP	MSD192083108300	92.00
09/10/92	LCS DUP	MSD192091008420	117.00
09/10/92	LCS	MSD192091008420	98.00
09/10/92	LCS DUP	MSD192091008420	101.00
09/10/92	LCS	MSD192091008420	114.00
09/14/92	LCS	MSD192091409020	93.00
09/14/92	LCS DUP	MSD192091409020	91.00
09/16/92	LCS	MSD192091609020	92.00
09/16/92	LCS DUP	MSD192091609020	90.00
09/23/92	LCS	MSD192092309080	99.00
09/23/92	LCS DUP	MSD192092309080	94.00
10/23/92	LCS	MSD292102308460	104.00
10/23/92	LCS DUP	MSD292102308460	99.00
10/14/92	LCS	MSD192101413560	92.00
10/14/92	LCS DUP	MSD192101413560	92.00
10/16/92	LCS	MSD192101609100	97.00
10/16/92	LCS DUP	MSD192101609100	87.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 102.4	Above acceptance :	0
Standard Deviation	: 11.77	Acceptance Criteria	39-139

Type of Spike : Matrix Spike

07/23/92	09-MW-04-02 MS	MSD292072310280	89.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	97.00
08/05/92	10-DS-01 MS	MSD292080508200	96.00
08/05/92	10-DS-01 MSD	MSD292080508200	101.00
08/05/92	06-DS-01 MS	MSD292080508200	97.00
08/05/92	06-DS-01 MSD	MSD292080508200	93.00
08/09/92	06-DS-02 MS	MSD292080911050	100.00
08/09/92	06-DS-02 MSD	MSD292080911050	89.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2,4-Dinitrotoluene continued			
Type of Spike : Matrix Spike			
08/11/92	05-SS-06-01 MS	MSD292081108220	94.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	103.00
08/22/92	05-MW-04-02 MS	MSD292082210460	93.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	94.00
08/12/92	05-DS-01 MS	MSD192081208590	86.00
08/12/92	05-DS-01 MSD	MSD192081208590	85.00
09/07/92	04-DS-01 MS	MSD292090710580	77.00
09/07/92	04-DS-01 MSD	MSD292090710580	81.00
09/21/92	07-SS-01-01 MS	MSD292092108300	82.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	79.00
09/24/92	07-DS-03 MSD	MSD292092408270	92.00
09/25/92	07-DS-03 MS	MSD292092508300	87.00
08/29/92	11-SS-01-01 MS	MSD192082911430	85.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	78.00
09/10/92	07-MW-03-02 MS	MSD192091008420	83.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	81.00
09/14/92	09-MW-06-02 MS	MSD192091409020	80.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	71.00
10/16/92	10-DS-02 MS	MSD192101609100	87.00
10/16/92	10-DS-02 MSD	MSD192101609100	90.00

Number of Samples	: 28	Below acceptance :	0
Mean % Recovery	: 88.2	Above acceptance :	0
Standard Deviation	: 8.04	Acceptance Criteria	39-139

Method : SW8270  
Spiked Analyte : 2,6-Dinitrotoluene

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	123.00
07/23/92	LCS DUP	MSD292072310280	119.00
08/05/92	LCS	MSD292080508200	122.00
08/05/92	LCS DUP	MSD292080508200	106.00
08/06/92	LCS	MSD292080608290	119.00
08/06/92	LCS DUP	MSD292080608290	120.00
08/09/92	LCS	MSD292080810200	127.00
08/09/92	LCS DUP	MSD292080810200	130.00
08/10/92	LCS	MSD292081008350	123.00
08/10/92	LCS DUP	MSD292081008350	118.00
08/11/92	LCS	MSD292081108220	127.00
08/11/92	LCS DUP	MSD292081108220	128.00
08/17/92	LCS	MSD292081714490	106.00
08/17/92	LCS DUP	MSD292081714490	106.00
08/18/92	LCS	MSD292081808190	105.00
08/18/92	LCS DUP	MSD292081808190	100.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2,6-Dinitrotoluene continued			
Type of Spike : Laboratory Control			
08/22/92	LCS	MSD292082210460	112.00
08/22/92	LCS DUP	MSD292082210460	115.00
08/24/92	LCS	MSD292082408180	100.00
08/24/92	LCS DUP	MSD292082408180	109.00
08/12/92	LCS	MSD192081208590	100.00
08/12/92	LCS DUP	MSD192081208590	99.00
09/07/92	LCS	MSD292090710580	115.00
09/07/92	LCS DUP	MSD292090710580	121.00
09/21/92	LCS	MSD292092108300	107.00
09/21/92	LCS DUP	MSD292092108300	117.00
09/23/92	LCS	MSD292092314280	104.00
09/23/92	LCS DUP	MSD292092314280	105.00
10/14/92	LCS	MSD292101408230	106.00
10/14/92	LCS DUP	MSD292101408170	110.00
08/29/92	LCS	MSD192082911430	108.00
08/29/92	LCS DUP	MSD192082911430	104.00
08/31/92	LCS	MSD192083108300	92.00
08/31/92	LCS DUP	MSD192083108300	101.00
09/10/92	LCS DUP	MSD192091008420	135.00
09/10/92	LCS	MSD192091008420	111.00
09/10/92	LCS DUP	MSD192091008420	106.00
09/10/92	LCS	MSD192091008420	129.00
09/14/92	LCS	MSD192091409020	101.00
09/14/92	LCS DUP	MSD192091409020	104.00
09/16/92	LCS	MSD192091609020	105.00
09/16/92	LCS DUP	MSD192091609020	102.00
09/23/92	LCS	MSD192092309080	107.00
09/23/92	LCS DUP	MSD192092309080	102.00
10/23/92	LCS	MSD292102308460	118.00
10/23/92	LCS DUP	MSD292102308460	112.00
10/14/92	LCS	MSD192101413560	99.00
10/14/92	LCS DUP	MSD192101413560	96.00
10/16/92	LCS	MSD192101609100	104.00
10/16/92	LCS DUP	MSD192101609100	95.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 110.6	Above acceptance :	0
Standard Deviation	: 10.37	Acceptance Criteria	50-158

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Chloronaphthalene			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	84.00
07/23/92	LCS DUP	MSD292072310280	82.00
08/05/92	LCS	MSD292080508200	83.00
08/05/92	LCS DUP	MSD292080508200	73.00
08/06/92	LCS	MSD292080608290	80.00
08/06/92	LCS DUP	MSD292080608290	83.00
08/09/92	LCS	MSD292080810200	85.00
08/09/92	LCS DUP	MSD292080810200	86.00
08/10/92	LCS	MSD292081008350	81.00
08/10/92	LCS DUP	MSD292081008350	78.00
08/11/92	LCS	MSD292081108220	85.00
08/11/92	LCS DUP	MSD292081108220	87.00
08/17/92	LCS	MSD292081714490	88.00
08/17/92	LCS DUP	MSD292081714490	88.00
08/18/92	LCS	MSD292081808190	86.00
08/18/92	LCS DUP	MSD292081808190	85.00
08/22/92	LCS	MSD292082210460	97.00
08/22/92	LCS DUP	MSD292082210460	98.00
08/24/92	LCS	MSD292082408180	90.00
08/24/92	LCS DUP	MSD292082408180	94.00
08/12/92	LCS	MSD192081208590	89.00
08/12/92	LCS DUP	MSD192081208590	90.00
09/07/92	LCS	MSD292090710580	91.00
09/07/92	LCS DUP	MSD292090710580	97.00
09/21/92	LCS	MSD292092108300	89.00
09/21/92	LCS DUP	MSD292092108300	91.00
09/23/92	LCS	MSD292092314280	78.00
09/23/92	LCS DUP	MSD292092314280	99.00
10/14/92	LCS	MSD292101408230	99.00
10/14/92	LCS DUP	MSD292101408170	92.00
08/29/92	LCS	MSD192082911430	84.00
08/29/92	LCS DUP	MSD192082911430	82.00
08/31/92	LCS	MSD192083108300	76.00
08/31/92	LCS DUP	MSD192083108300	81.00
09/10/92	LCS DUP	MSD192091008420	108.00
09/10/92	LCS	MSD192091008420	87.00
09/10/92	LCS DUP	MSD192091008420	88.00
09/10/92	LCS	MSD192091008420	100.00
09/14/92	LCS	MSD192091409020	84.00
09/14/92	LCS DUP	MSD192091409020	81.00
09/16/92	LCS	MSD192091609020	88.00
09/16/92	LCS DUP	MSD192091609020	80.00
09/23/92	LCS	MSD192092309080	86.00
09/23/92	LCS DUP	MSD192092309080	79.00
10/23/92	LCS	MSD292102308460	89.00
10/23/92	LCS DUP	MSD292102308460	85.00
10/14/92	LCS	MSD192101413560	83.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Chloronaphthalene continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	79.00
10/16/92	LCS	MSD192101609100	91.00
10/16/92	LCS DUP	MSD192101609100	83.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 86.8	Above acceptance :	0
Standard Deviation	: 6.92	Acceptance Criteria	60-118
Method : SW8270			
Spiked Analyte : 2-Chlorophenol			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	82.00
07/23/92	LCS DUP	MSD292072310280	84.00
08/05/92	LCS	MSD292080508200	85.00
08/05/92	LCS DUP	MSD292080508200	76.00
08/06/92	LCS	MSD292080608290	83.00
08/06/92	LCS DUP	MSD292080608290	88.00
08/09/92	LCS	MSD292080810200	90.00
08/09/92	LCS DUP	MSD292080810200	92.00
08/10/92	LCS	MSD292081008350	79.00
08/10/92	LCS DUP	MSD292081008350	77.00
08/11/92	LCS	MSD292081108220	94.00
08/11/92	LCS DUP	MSD292081108220	96.00
08/17/92	LCS	MSD292081714490	84.00
08/17/92	LCS DUP	MSD292081714490	85.00
08/18/92	LCS	MSD292081808190	52.00
08/18/92	LCS DUP	MSD292081808190	74.00
08/22/92	LCS	MSD292082210460	90.00
08/22/92	LCS DUP	MSD292082210460	87.00
08/24/92	LCS	MSD292082408180	84.00
08/24/92	LCS DUP	MSD292082408180	84.00
08/12/92	LCS	MSD192081208590	93.00
08/12/92	LCS DUP	MSD192081208590	93.00
09/07/92	LCS	MSD292090710580	78.00
09/07/92	LCS DUP	MSD292090710580	80.00
09/21/92	LCS	MSD292092108300	84.00
09/21/92	LCS DUP	MSD292092108300	89.00
09/23/92	LCS	MSD292092314280	80.00
09/23/92	LCS DUP	MSD292092314280	84.00
10/14/92	LCS	MSD292101408230	92.00
10/14/92	LCS DUP	MSD292101408170	75.00
08/29/92	LCS	MSD192082911430	96.00
08/29/92	LCS DUP	MSD192082911430	88.00
08/31/92	LCS	MSD192083108300	84.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Chlorophenol continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	86.00
09/10/92	LCS DUP	MSD192091008420	93.00
09/10/92	LCS	MSD192091008420	91.00
09/10/92	LCS DUP	MSD192091008420	100.00
09/10/92	LCS	MSD192091008420	90.00
09/14/92	LCS	MSD192091409020	96.00
09/14/92	LCS DUP	MSD192091409020	95.00
09/16/92	LCS	MSD192091609020	86.00
09/16/92	LCS DUP	MSD192091609020	93.00
09/23/92	LCS	MSD192092309080	97.00
09/23/92	LCS DUP	MSD192092309080	97.00
10/23/92	LCS	MSD292102308460	93.00
10/23/92	LCS DUP	MSD292102308460	86.00
10/14/92	LCS	MSD192101413560	32.00
10/14/92	LCS DUP	MSD192101413560	24.00
10/16/92	LCS	MSD192101609100	96.00
10/16/92	LCS DUP	MSD192101609100	91.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 84.6	Above acceptance :	0
Standard Deviation	: 14.22	Acceptance Criteria	23-134

Type of Spike : Matrix Spike

07/23/92	09-MW-04-02 MS	MSD292072310280	79.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	82.00
08/05/92	10-DS-01 MS	MSD292080508200	87.00
08/05/92	10-DS-01 MSD	MSD292080508200	85.00
08/05/92	06-DS-01 MS	MSD292080508200	84.00
08/05/92	06-DS-01 MSD	MSD292080508200	84.00
08/09/92	06-DS-02 MS	MSD292080911050	75.00
08/09/92	06-DS-02 MSD	MSD292080911050	75.00
08/11/92	05-SS-06-01 MS	MSD292081108220	83.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	87.00
08/22/92	05-MW-04-02 MS	MSD292082210460	81.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	83.00
08/12/92	05-DS-01 MS	MSD192081208590	95.00
08/12/92	05-DS-01 MSD	MSD192081208590	92.00
09/07/92	04-DS-01 MS	MSD292090710580	79.00
09/07/92	04-DS-01 MSD	MSD292090710580	81.00
09/21/92	07-SS-01-01 MS	MSD292092108300	86.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	77.00
09/24/92	07-DS-03 MSD	MSD292092408270	94.00
09/25/92	07-DS-03 MS	MSD292092508300	90.00
08/29/92	11-SS-01-01 MS	MSD192082911430	92.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	87.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Chlorophenol continued			
Type of Spike : Matrix Spike			
09/10/92	07-MW-03-02 MS	MSD192091008420	96.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	94.00
09/14/92	09-MW-06-02 MS	MSD192091409020	82.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	83.00
10/16/92	10-DS-02 MS	MSD192101609100	89.00
10/16/92	10-DS-02 MSD	MSD192101609100	88.00

Number of Samples	: 28	Below acceptance :	0
Mean % Recovery	: 85.4	Above acceptance :	0
Standard Deviation	: 5.90	Acceptance Criteria	23-134

Method : SW8270  
Spiked Analyte : 2-Fluorobiphenyl

Type of Spike : Surrogate

07/23/92	09-MW-04-02	MSD292072310280	89.00
07/23/92	09-MW-04-02 MS	MSD292072310280	80.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	88.00
07/23/92	09-MW-01-02	MSD292072310280	87.00
07/23/92	09-MW-02-02	MSD292072310280	85.00
07/23/92	10-MW-02-01	MSD292072310280	85.00
07/23/92	10-MW-03-01	MSD292072310280	82.00
07/23/92	10-SB-03-01	MSD292072310280	86.00
07/23/92	10-SB-03-02	MSD292072310280	86.00
07/23/92	10-SB-03-03	MSD292072310280	78.00
08/05/92	10-DS-01	MSD292080508200	92.00
08/05/92	10-DS-01 MS	MSD292080508200	98.00
08/05/92	10-DS-01 MSD	MSD292080508200	98.00
08/05/92	10-SB-02-02	MSD292080508200	95.00
08/05/92	10-MW-01-01	MSD292080508200	98.00
08/05/92	10-SB-02-01	MSD292080508200	93.00
08/05/92	06-MW-04-02	MSD292080508200	94.00
08/05/92	06-SB-02-01	MSD292080508200	94.00
08/05/92	06-SB-02-02	MSD292080508200	97.00
08/05/92	10-SB-01-01	MSD292080508200	94.00
08/05/92	10-SB-01-02	MSD292080508200	98.00
08/05/92	06-DS-01	MSD292080508200	95.00
08/05/92	06-DS-01 MS	MSD292080508200	93.00
08/05/92	06-DS-01 MSD	MSD292080508200	92.00
08/06/92	06-MW-03-02	MSD292080608290	96.00
08/09/92	06-DS-02	MSD292080911050	96.00
08/09/92	06-DS-02 MS	MSD292080911050	92.00
08/09/92	06-DS-02 MSD	MSD292080911050	83.00
08/09/92	06-SS-06-01	MSD292080911050	100.00
08/09/92	06-SB-01-01	MSD292080911050	95.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Fluorobiphenyl continued			
Type of Spike : Surrogate			
08/09/92	06-MW-01-02	MSD292080911050	21.00
08/10/92	11-SB-01-02	MSD292081008350	89.00
08/10/92	06-SB-01-02	MSD292081008350	94.00
08/10/92	11-SB-01-01	MSD292081008350	100.00
08/10/92	06-MW-02-02	MSD292081008350	91.00
08/10/92	06-SS-04-01	MSD292081008350	99.00
08/10/92	06-SS-05-01	MSD292081008350	94.00
08/11/92	05-SS-06-01	MSD292081108220	97.00
08/11/92	05-SS-06-01 MS	MSD292081108220	94.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	101.00
08/11/92	05-SS-03-01	MSD292081108220	102.00
08/11/92	05-SS-02-01	MSD292081108220	98.00
08/11/92	05-SS-01-01	MSD292081108220	100.00
08/11/92	05-SS-04-01	MSD292081108220	99.00
08/11/92	05-MW-02-02	MSD292081108220	98.00
08/22/92	05-MW-04-02	MSD292082210460	90.00
08/22/92	05-MW-04-02 MS	MSD292082210460	91.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	93.00
08/22/92	05-MW-05-02	MSD292082210460	83.00
08/22/92	05-MW-06-02	MSD292082210460	97.00
08/22/92	05-SS-05-01	MSD292082210460	92.00
08/22/92	05-SS-08-01	MSD292082210460	91.00
08/22/92	05-SS-09-01	MSD292082210460	95.00
08/22/92	05-SS-07-01	MSD292082210460	96.00
08/22/92	05-SD-01-01	MSD292082210460	88.00
08/22/92	05-DS-04	MSD292082210460	93.00
08/22/92	05-SS-10-01	MSD292082210460	93.00
08/22/92	05-SS-11-01	MSD292082210460	96.00
08/22/92	05-SS-14-01	MSD292082210460	88.00
08/24/92	06-SS-01-01	MSD292082408180	100.00
08/24/92	06-SS-02-01	MSD292082408180	104.00
08/24/92	06-SS-03-01	MSD292082408180	99.00
08/24/92	05-SD-02-01	MSD292082408180	97.00
08/24/92	05-SS-13-01	MSD292082408180	102.00
08/24/92	05-DS-03	MSD292082408180	100.00
08/12/92	05-DS-01	MSD192081208590	21.00
08/12/92	05-DS-01 MS	MSD192081208590	94.00
08/12/92	05-DS-01 MSD	MSD192081208590	97.00
08/12/92	05-SB-01-03	MSD192081208590	96.00
08/12/92	05-SB-01-01	MSD192081208590	49.00
08/12/92	05-SB-01-02	MSD192081208590	94.00
08/12/92	05-SB-02-03	MSD192081208590	96.00
08/13/92	05-SB-02-01	MSD192081308540	95.00
08/13/92	05-SB-02-02	MSD192081308540	89.00
08/13/92	05-SB-02-04	MSD192081308540	94.00
08/13/92	05-SB-03-01	MSD192081308540	95.00
08/13/92	05-SB-03-02	MSD192081308540	93.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Fluorobiphenyl continued			
Type of Spike : Surrogate			
08/13/92	05-MW-03-02	MSD192081308540	95.00
08/13/92	05-MW-01-02	MSD192081308540	93.00
08/13/92	05-DS-02	MSD192081308540	96.00
09/07/92	04-DS-01	MSD292090710580	92.00
09/07/92	04-DS-01 MS	MSD292090710580	88.00
09/07/92	04-DS-01 MSD	MSD292090710580	92.00
09/07/92	04-SS-03-01	MSD292090710580	93.00
09/07/92	04-SD-01-01	MSD292090710580	91.00
09/07/92	04-SD-02-01	MSD292090710580	93.00
09/07/92	04-SS-01-01	MSD292090710580	90.00
09/07/92	04-SS-02-01	MSD292090710580	88.00
09/07/92	04-DS-02	MSD292090710580	86.00
09/07/92	04-SD-03-01	MSD292090710580	87.00
09/07/92	04-SD-04-01	MSD292090710580	90.00
09/07/92	09-MW-05-02	MSD292090710580	84.00
09/07/92	09-MW-03-02	MSD292090710580	87.00
09/07/92	04-MW-03-02	MSD292090710580	89.00
09/07/92	04-MW-02-02	MSD292090710580	82.00
09/21/92	07-SS-01-01	MSD292092108300	91.00
09/21/92	07-SS-01-01 MS	MSD292092108300	96.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	92.00
09/21/92	07-SS-02-01	MSD292092108300	88.00
09/21/92	07-SS-03-01	MSD292092108300	87.00
09/21/92	07-SS-04-01	MSD292092108300	93.00
09/21/92	07-SS-05-01	MSD292092108300	89.00
09/21/92	07-DS-02	MSD292092108300	94.00
09/21/92	07-DS-03	MSD292092108300	90.00
09/21/92	07-SD-02-01	MSD292092108300	92.00
09/24/92	07-DS-03	MSD292092408270	139.00
09/24/92	07-DS-03 MSD	MSD292092408270	128.00
09/24/92	07-SD-01-01	MSD292092408270	99.00
09/25/92	07-DS-03 MS	MSD292092508300	105.00
08/29/92	11-SS-01-01	MSD192082911430	95.00
08/29/92	11-SS-01-01 MS	MSD192082911430	101.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	94.00
08/31/92	05-SS-12-01	MSD192083108300	101.00
09/01/92	05-SS-15-01	MSD192083108300	97.00
09/01/92	06-SD-01-01	MSD192083108300	98.00
09/01/92	06-SD-02-01	MSD192083108300	97.00
09/10/92	07-MW-03-02	MSD192091008420	87.00
09/10/92	07-MW-03-02 MS	MSD192091008420	91.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	81.00
09/10/92	07-MW-02-02	MSD192091008420	82.00
09/10/92	07-DS-01	MSD192091008420	90.00
09/10/92	07-SB-01-01	MSD192091008420	94.00
09/10/92	07-SB-03-01	MSD192091008420	92.00
09/10/92	07-SB-02-01	MSD192091008420	90.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Fluorobiphenyl continued			
Type of Spike : Surrogate			
09/10/92	07-MW-01-02	MSD192091008420	86.00
09/10/92	05-MW-04-02	MSD192091008420	90.00
09/10/92	07-MW-04-02	MSD192091008420	94.00
09/14/92	09-MW-06-02	MSD192091409020	89.00
09/14/92	09-MW-06-02 MS	MSD192091409020	93.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	87.00
09/14/92	09-DS-01	MSD192091409020	102.00
09/14/92	04-MW-01-02	MSD192091409020	79.00
09/14/92	04-MW-04-02	MSD192091409020	97.00
09/23/92	09-SS-02-01	MSD192092309080	88.00
09/23/92	09-SS-01-01	MSD192092309080	95.00
09/23/92	09-SS-03-01	MSD192092309080	89.00
10/14/92	12-MW-01-02	MSD192101413560	56.00
10/14/92	12-MW-02-02	MSD192101413560	22.00
10/16/92	10-DS-02	MSD192101609100	89.00
10/16/92	10-DS-02 MS	MSD192101609100	93.00
10/16/92	10-DS-02 MSD	MSD192101609100	92.00
10/16/92	10-SS-01-01	MSD192101609100	91.00
10/16/92	10-SS-02-01	MSD192101609100	90.00
10/16/92	10-SS-03-01	MSD192101609100	87.00
10/16/92	10-SS-04-01	MSD192101609100	89.00
10/16/92	10-SS-05-01	MSD192101609100	86.00
10/16/92	10-SS-06-01	MSD192101609100	87.00

Number of Samples : 147  
Mean % Recovery : 91.0  
Standard Deviation : 13.20

Below acceptance : 3  
Above acceptance : 2  
Acceptance Criteria 30-115

Type of Spike : Surrogate - Blank Sample

07/23/92	METHOD BLANK	MSD292072310280	87.00
08/05/92	METHOD BLANK	MSD292080508200	95.00
08/06/92	METHOD BLANK	MSD292080608290	95.00
08/09/92	METHOD BLANK	MSD292080911050	96.00
08/10/92	METHOD BLANK	MSD292081008350	102.00
08/11/92	METHOD BLANK	MSD292081108220	102.00
08/12/92	METHOD BLANK	MSD292081208090	93.00
08/17/92	METHOD BLANK	MSD292081714490	101.00
08/18/92	METHOD BLANK	MSD292081808190	32.00
08/22/92	METHOD BLANK	MSD292082210460	96.00
08/24/92	METHOD BLANK	MSD292082408180	99.00
08/12/92	METHOD BLANK	MSD192081208590	92.00
08/13/92	METHOD BLANK	MSD192081308540	95.00
09/07/92	METHOD BLANK	MSD292090710580	92.00
09/21/92	METHOD BLANK	MSD292092108300	97.00
09/23/92	METHOD BLANK	MSD292092314280	93.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Fluorobiphenyl continued			
Type of Spike : Surrogate - Blank Sample			
08/29/92	METHOD BLANK	MSD192082911430	91.00
08/31/92	METHOD BLANK	MSD192083108300	92.00
09/10/92	METHOD BLANK	MSD192091008420	86.00
09/14/92	METHOD BLANK	MSD192091409020	92.00
09/16/92	METHOD BLANK	MSD192091609020	55.00
09/23/92	METHOD BLANK	MSD192092309080	84.00
10/14/92	METHOD BLANK	MSD192101413560	46.00
10/16/92	METHOD BLANK	MSD192101609100	76.00

Number of Samples	: 24	Below acceptance :	0
Mean % Recovery	: 87.0	Above acceptance :	0
Standard Deviation	: 17.81	Acceptance Criteria	30-115

Type of Spike : Surrogate - Laboratory Control

07/23/92	LCS	MSD292072310280	92.00
07/23/92	LCS DUP	MSD292072310280	90.00
08/05/92	LCS	MSD292080508200	99.00
08/05/92	LCS DUP	MSD292080508200	86.00
08/06/92	LCS	MSD292080608290	97.00
08/06/92	LCS DUP	MSD292080608290	99.00
08/09/92	LCS	MSD292080810200	99.00
08/09/92	LCS DUP	MSD292080810200	100.00
08/10/92	LCS	MSD292081008350	102.00
08/10/92	LCS DUP	MSD292081008350	87.00
08/11/92	LCS	MSD292081108220	97.00
08/11/92	LCS DUP	MSD292081108220	100.00
08/17/92	LCS	MSD292081714490	95.00
08/17/92	LCS DUP	MSD292081714490	96.00
08/18/92	LCS	MSD292081808190	76.00
08/18/92	LCS DUP	MSD292081808190	88.00
08/22/92	LCS	MSD292082210460	100.00
08/22/92	LCS DUP	MSD292082210460	96.00
08/24/92	LCS	MSD292082408180	98.00
08/24/92	LCS DUP	MSD292082408180	98.00
08/12/92	LCS	MSD192081208590	94.00
08/12/92	LCS DUP	MSD192081208590	95.00
09/07/92	LCS	MSD292090710580	88.00
09/07/92	LCS DUP	MSD292090710580	92.00
09/21/92	LCS	MSD292092108300	94.00
09/21/92	LCS DUP	MSD292092108300	90.00
09/23/92	LCS	MSD292092314280	93.00
09/23/92	LCS DUP	MSD292092314280	112.00
10/14/92	LCS	MSD292101408230	110.00
10/14/92	LCS DUP	MSD292101408170	103.00
08/29/92	LCS	MSD192082911430	92.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Fluorobiphenyl continued			
Type of Spike : Surrogate - Laboratory Control			
08/29/92	LCS DUP	MSD192082911430	95.00
08/31/92	LCS	MSD192083108300	83.00
08/31/92	LCS DUP	MSD192083108300	87.00
09/10/92	LCS DUP	MSD192091008420	90.00
09/10/92	LCS	MSD192091008420	94.00
09/10/92	LCS DUP	MSD192091008420	97.00
09/10/92	LCS	MSD192091008420	86.00
09/14/92	LCS	MSD192091409020	101.00
09/14/92	LCS DUP	MSD192091409020	94.00
09/16/92	LCS	MSD192091609020	107.00
09/16/92	LCS DUP	MSD192091609020	104.00
09/23/92	LCS	MSD192092309080	91.00
09/23/92	LCS DUP	MSD192092309080	86.00
10/23/92	LCS	MSD292102308460	94.00
10/23/92	LCS DUP	MSD292102308460	90.00
10/14/92	LCS	MSD192101413560	68.00
10/14/92	LCS DUP	MSD192101413560	69.00
10/16/92	LCS	MSD192101609100	97.00
10/16/92	LCS DUP	MSD192101609100	87.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 93.6	Above acceptance :	0
Standard Deviation	: 8.50	Acceptance Criteria	30-115

Method : SW8270  
Spiked Analyte : 2-Fluorophenol

Type of Spike : Surrogate

07/23/92	09-MW-04-02	MSD292072310280	85.00
07/23/92	09-MW-04-02 MS	MSD292072310280	80.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	81.00
07/23/92	09-MW-01-02	MSD292072310280	73.00
07/23/92	09-MW-02-02	MSD292072310280	74.00
07/23/92	10-MW-02-01	MSD292072310280	85.00
07/23/92	10-MW-03-01	MSD292072310280	69.00
07/23/92	10-SB-03-01	MSD292072310280	76.00
07/23/92	10-SB-03-02	MSD292072310280	72.00
07/23/92	10-SB-03-03	MSD292072310280	59.00
08/05/92	10-DS-01	MSD292080508200	74.00
08/05/92	10-DS-01 MS	MSD292080508200	90.00
08/05/92	10-DS-01 MSD	MSD292080508200	84.00
08/05/92	10-SB-02-02	MSD292080508200	84.00
08/05/92	10-MW-01-01	MSD292080508200	80.00
08/05/92	10-SB-02-01	MSD292080508200	84.00
08/05/92	06-MW-04-02	MSD292080508200	84.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Fluorophenol continued			
Type of Spike : Surrogate			
08/05/92	06-SB-02-01	MSD292080508200	74.00
08/05/92	06-SB-02-02	MSD292080508200	86.00
08/05/92	10-SB-01-01	MSD292080508200	79.00
08/05/92	10-SB-01-02	MSD292080508200	84.00
08/05/92	06-DS-01	MSD292080508200	86.00
08/05/92	06-DS-01 MS	MSD292080508200	88.00
08/05/92	06-DS-01 MSD	MSD292080508200	81.00
08/06/92	06-MW-03-02	MSD292080608290	87.00
08/09/92	06-DS-02	MSD292080911050	83.00
08/09/92	06-DS-02 MS	MSD292080911050	76.00
08/09/92	06-DS-02 MSD	MSD292080911050	75.00
08/09/92	06-SS-06-01	MSD292080911050	76.00
08/09/92	06-SB-01-01	MSD292080911050	77.00
08/09/92	06-MW-01-02	MSD292080911050	19.00
08/10/92	11-SB-01-02	MSD292081008350	65.00
08/10/92	06-SB-01-02	MSD292081008350	71.00
08/10/92	11-SB-01-01	MSD292081008350	80.00
08/10/92	06-MW-02-02	MSD292081008350	78.00
08/10/92	06-SS-04-01	MSD292081008350	76.00
08/10/92	06-SS-05-01	MSD292081008350	75.00
08/11/92	05-SS-06-01	MSD292081108220	87.00
08/11/92	05-SS-06-01 MS	MSD292081108220	86.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	92.00
08/11/92	05-SS-03-01	MSD292081108220	91.00
08/11/92	05-SS-02-01	MSD292081108220	89.00
08/11/92	05-SS-01-01	MSD292081108220	95.00
08/11/92	05-SS-04-01	MSD292081108220	87.00
08/11/92	05-MW-02-02	MSD292081108220	89.00
08/22/92	05-MW-04-02	MSD292082210460	78.00
08/22/92	05-MW-04-02 MS	MSD292082210460	80.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	85.00
08/22/92	05-MW-05-02	MSD292082210460	103.00
08/22/92	05-MW-06-02	MSD292082210460	83.00
08/22/92	05-SS-05-01	MSD292082210460	83.00
08/22/92	05-SS-08-01	MSD292082210460	81.00
08/22/92	05-SS-09-01	MSD292082210460	90.00
08/22/92	05-SS-07-01	MSD292082210460	80.00
08/22/92	05-SD-01-01	MSD292082210460	69.00
08/22/92	05-DS-04	MSD292082210460	85.00
08/22/92	05-SS-10-01	MSD292082210460	91.00
08/22/92	05-SS-11-01	MSD292082210460	84.00
08/22/92	05-SS-14-01	MSD292082210460	84.00
08/24/92	06-SS-01-01	MSD292082408180	85.00
08/24/92	06-SS-02-01	MSD292082408180	81.00
08/24/92	06-SS-03-01	MSD292082408180	76.00
08/24/92	05-SD-02-01	MSD292082408180	85.00
08/24/92	05-SS-13-01	MSD292082408180	82.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Fluorophenol continued			
Type of Spike : Surrogate			
08/24/92	05-DS-03	MSD292082408180	79.00
08/12/92	05-DS-01	MSD192081208590	19.00
08/12/92	05-DS-01 MS	MSD192081208590	97.00
08/12/92	05-DS-01 MSD	MSD192081208590	94.00
08/12/92	05-SB-01-03	MSD192081208590	97.00
08/12/92	05-SB-01-01	MSD192081208590	44.00
08/12/92	05-SB-01-02	MSD192081208590	97.00
08/12/92	05-SB-02-03	MSD192081208590	92.00
08/13/92	05-SB-02-01	MSD192081308540	97.00
08/13/92	05-SB-02-02	MSD192081308540	92.00
08/13/92	05-SB-02-04	MSD192081308540	93.00
08/13/92	05-SB-03-01	MSD192081308540	105.00
08/13/92	05-SB-03-02	MSD192081308540	95.00
08/13/92	05-MW-03-02	MSD192081308540	99.00
08/13/92	05-MW-01-02	MSD192081308540	97.00
08/13/92	05-DS-02	MSD192081308540	97.00
09/07/92	04-DS-01	MSD292090710580	92.00
09/07/92	04-DS-01 MS	MSD292090710580	88.00
09/07/92	04-DS-01 MSD	MSD292090710580	90.00
09/07/92	04-SS-03-01	MSD292090710580	91.00
09/07/92	04-SD-01-01	MSD292090710580	85.00
09/07/92	04-SD-02-01	MSD292090710580	90.00
09/07/92	04-SS-01-01	MSD292090710580	97.00
09/07/92	04-SS-02-01	MSD292090710580	87.00
09/07/92	04-DS-02	MSD292090710580	87.00
09/07/92	04-SD-03-01	MSD292090710580	90.00
09/07/92	04-SD-04-01	MSD292090710580	92.00
09/07/92	09-MW-05-02	MSD292090710580	81.00
09/07/92	09-MW-03-02	MSD292090710580	86.00
09/07/92	04-MW-03-02	MSD292090710580	90.00
09/07/92	04-MW-02-02	MSD292090710580	69.00
09/21/92	07-SS-01-01	MSD292092108300	78.00
09/21/92	07-SS-01-01 MS	MSD292092108300	88.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	82.00
09/21/92	07-SS-02-01	MSD292092108300	78.00
09/21/92	07-SS-03-01	MSD292092108300	76.00
09/21/92	07-SS-04-01	MSD292092108300	85.00
09/21/92	07-SS-05-01	MSD292092108300	80.00
09/21/92	07-DS-02	MSD292092108300	76.00
09/21/92	07-DS-03	MSD292092108300	82.00
09/21/92	07-SD-02-01	MSD292092108300	89.00
09/24/92	07-DS-03	MSD292092408270	98.00
09/24/92	07-DS-03 MSD	MSD292092408270	103.00
09/24/92	07-SD-01-01	MSD292092408270	78.00
09/25/92	07-DS-03 MS	MSD292092508300	117.00
08/29/92	11-SS-01-01	MSD192082911430	84.00
08/29/92	11-SS-01-01 MS	MSD192082911430	90.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Fluorophenol continued			
Type of Spike : Surrogate			
08/29/92	11-SS-01-01 MSD	MSD192082911430	97.00
08/31/92	05-SS-12-01	MSD192083108300	68.00
09/01/92	05-SS-15-01	MSD192083108300	71.00
09/01/92	06-SD-01-01	MSD192083108300	75.00
09/01/92	06-SD-02-01	MSD192083108300	74.00
09/10/92	07-MW-03-02	MSD192091008420	78.00
09/10/92	07-MW-03-02 MS	MSD192091008420	80.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	81.00
09/10/92	07-MW-02-02	MSD192091008420	77.00
09/10/92	07-DS-01	MSD192091008420	82.00
09/10/92	07-SB-01-01	MSD192091008420	83.00
09/10/92	07-SB-03-01	MSD192091008420	98.00
09/10/92	07-SB-02-01	MSD192091008420	97.00
09/10/92	07-MW-01-02	MSD192091008420	92.00
09/10/92	05-MW-04-02	MSD192091008420	81.00
09/10/92	07-MW-04-02	MSD192091008420	97.00
09/14/92	09-MW-06-02	MSD192091409020	78.00
09/14/92	09-MW-06-02 MS	MSD192091409020	77.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	83.00
09/14/92	09-DS-01	MSD192091409020	88.00
09/14/92	04-MW-01-02	MSD192091409020	81.00
09/14/92	04-MW-04-02	MSD192091409020	94.00
09/23/92	09-SS-02-01	MSD192092309080	75.00
09/23/92	09-SS-01-01	MSD192092309080	81.00
09/23/92	09-SS-03-01	MSD192092309080	88.00
10/14/92	12-MW-01-02	MSD192101413560	5.00
10/14/92	12-MW-02-02	MSD192101413560	1.00
10/16/92	10-DS-02	MSD192101609100	97.00
10/16/92	10-DS-02 MS	MSD192101609100	91.00
10/16/92	10-DS-02 MSD	MSD192101609100	96.00
10/16/92	10-SS-01-01	MSD192101609100	90.00
10/16/92	10-SS-02-01	MSD192101609100	96.00
10/16/92	10-SS-03-01	MSD192101609100	94.00
10/16/92	10-SS-04-01	MSD192101609100	94.00
10/16/92	10-SS-05-01	MSD192101609100	94.00
10/16/92	10-SS-06-01	MSD192101609100	84.00
-----			
Number of Samples	: 147	Below acceptance :	4
Mean % Recovery	: 82.7	Above acceptance :	0
Standard Deviation	: 15.31	Acceptance Criteria	25-121
Type of Spike : Surrogate - Blank Sample			
07/23/92	METHOD BLANK	MSD292072310280	58.00
08/05/92	METHOD BLANK	MSD292080508200	88.00
08/06/92	METHOD BLANK	MSD292080608290	78.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Fluorophenol continued			
Type of Spike : Surrogate - Blank Sample			
08/09/92	METHOD BLANK	MSD292080911050	79.00
08/10/92	METHOD BLANK	MSD292081008350	85.00
08/11/92	METHOD BLANK	MSD292081108220	96.00
08/12/92	METHOD BLANK	MSD292081208090	76.00
08/17/92	METHOD BLANK	MSD292081714490	82.00
08/18/92	METHOD BLANK	MSD292081808190	5.00
08/22/92	METHOD BLANK	MSD292082210460	80.00
08/24/92	METHOD BLANK	MSD292082408180	70.00
08/12/92	METHOD BLANK	MSD192081208590	91.00
08/13/92	METHOD BLANK	MSD192081308540	97.00
09/07/92	METHOD BLANK	MSD292090710580	92.00
09/21/92	METHOD BLANK	MSD292092108300	77.00
09/23/92	METHOD BLANK	MSD292092314280	61.00
08/29/92	METHOD BLANK	MSD192082911430	84.00
08/31/92	METHOD BLANK	MSD192083108300	78.00
09/10/92	METHOD BLANK	MSD192091008420	70.00
09/14/92	METHOD BLANK	MSD192091409020	68.00
09/16/92	METHOD BLANK	MSD192091609020	6.00
09/23/92	METHOD BLANK	MSD192092309080	72.00
10/14/92	METHOD BLANK	MSD192101413560	9.00
10/16/92	METHOD BLANK	MSD192101609100	58.00

Number of Samples	: 24	Below acceptance :	3
Mean % Recovery	: 69.2	Above acceptance :	0
Standard Deviation	: 26.39	Acceptance Criteria	25-121

Type of Spike : Surrogate - Laboratory Control

07/23/92	LCS	MSD292072310280	70.00
07/23/92	LCS DUP	MSD292072310280	85.00
08/05/92	LCS	MSD292080508200	83.00
08/05/92	LCS DUP	MSD292080508200	73.00
08/06/92	LCS	MSD292080608290	80.00
08/06/92	LCS DUP	MSD292080608290	82.00
08/09/92	LCS	MSD292080810200	77.00
08/09/92	LCS DUP	MSD292080810200	89.00
08/10/92	LCS	MSD292081008350	68.00
08/10/92	LCS DUP	MSD292081008350	58.00
08/11/92	LCS	MSD292081108220	89.00
08/11/92	LCS DUP	MSD292081108220	90.00
08/17/92	LCS	MSD292081714490	78.00
08/17/92	LCS DUP	MSD292081714490	84.00
08/18/92	LCS	MSD292081808190	22.00
08/18/92	LCS DUP	MSD292081808190	30.00
08/22/92	LCS	MSD292082210460	94.00
08/22/92	LCS DUP	MSD292082210460	80.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Fluorophenol continued			
Type of Spike : Surrogate - Laboratory Control			
08/24/92	LCS	MSD292082408180	86.00
08/24/92	LCS DUP	MSD292082408180	71.00
08/12/92	LCS	MSD192081208590	90.00
08/12/92	LCS DUP	MSD192081208590	94.00
09/07/92	LCS	MSD292090710580	83.00
09/07/92	LCS DUP	MSD292090710580	86.00
09/21/92	LCS	MSD292092108300	72.00
09/21/92	LCS DUP	MSD292092108300	69.00
09/23/92	LCS	MSD292092314280	68.00
09/23/92	LCS DUP	MSD292092314280	66.00
10/14/92	LCS	MSD292101408230	75.00
10/14/92	LCS DUP	MSD292101408170	52.00
08/29/92	LCS	MSD192082911430	75.00
08/29/92	LCS DUP	MSD192082911430	73.00
08/31/92	LCS	MSD192083108300	66.00
08/31/92	LCS DUP	MSD192083108300	72.00
09/10/92	LCS DUP	MSD192091008420	65.00
09/10/92	LCS	MSD192091008420	84.00
09/10/92	LCS DUP	MSD192091008420	94.00
09/10/92	LCS	MSD192091008420	71.00
09/14/92	LCS	MSD192091409020	93.00
09/14/92	LCS DUP	MSD192091409020	84.00
09/16/92	LCS	MSD192091609020	85.00
09/16/92	LCS DUP	MSD192091609020	91.00
09/23/92	LCS	MSD192092309080	93.00
09/23/92	LCS DUP	MSD192092309080	93.00
10/23/92	LCS	MSD292102308460	91.00
10/23/92	LCS DUP	MSD292102308460	82.00
10/14/92	LCS	MSD192101413560	8.00
10/14/92	LCS DUP	MSD192101413560	6.00
10/16/92	LCS	MSD192101609100	96.00
10/16/92	LCS DUP	MSD192101609100	87.00
-----			
Number of Samples	: 50	Below acceptance :	3
Mean % Recovery	: 75.1	Above acceptance :	0
Standard Deviation	: 20.38	Acceptance Criteria	25-121

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Methylnaphthalene			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	94.00
07/23/92	LCS DUP	MSD292072310280	91.00
08/05/92	LCS	MSD292080508200	95.00
08/05/92	LCS DUP	MSD292080508200	84.00
08/06/92	LCS	MSD292080608290	92.00
08/06/92	LCS DUP	MSD292080608290	95.00
08/09/92	LCS	MSD292080810200	99.00
08/09/92	LCS DUP	MSD292080810200	100.00
08/10/92	LCS	MSD292081008350	93.00
08/10/92	LCS DUP	MSD292081008350	89.00
08/11/92	LCS	MSD292081108220	98.00
08/11/92	LCS DUP	MSD292081108220	99.00
08/17/92	LCS	MSD292081714490	96.00
08/17/92	LCS DUP	MSD292081714490	97.00
08/18/92	LCS	MSD292081808190	92.00
08/18/92	LCS DUP	MSD292081808190	96.00
08/22/92	LCS	MSD292082210460	106.00
08/22/92	LCS DUP	MSD292082210460	105.00
08/24/92	LCS	MSD292082408180	96.00
08/24/92	LCS DUP	MSD292082408180	99.00
08/12/92	LCS	MSD192081208590	104.00
08/12/92	LCS DUP	MSD192081208590	105.00
09/07/92	LCS	MSD292090710580	141.00
09/07/92	LCS DUP	MSD292090710580	146.00
09/21/92	LCS	MSD292092108300	139.00
09/21/92	LCS DUP	MSD292092108300	141.00
09/23/92	LCS	MSD292092314280	119.00
09/23/92	LCS DUP	MSD292092314280	127.00
10/14/92	LCS	MSD292101408230	115.00
10/14/92	LCS DUP	MSD292101408170	107.00
08/29/92	LCS	MSD192082911430	107.00
08/29/92	LCS DUP	MSD192082911430	99.00
08/31/92	LCS	MSD192083108300	91.00
08/31/92	LCS DUP	MSD192083108300	96.00
09/10/92	LCS DUP	MSD192091008420	119.00
09/10/92	LCS	MSD192091008420	101.00
09/10/92	LCS DUP	MSD192091008420	106.00
09/10/92	LCS	MSD192091008420	122.00
09/14/92	LCS	MSD192091409020	99.00
09/14/92	LCS DUP	MSD192091409020	100.00
09/16/92	LCS	MSD192091609020	96.00
09/16/92	LCS DUP	MSD192091609020	94.00
09/23/92	LCS	MSD192092309080	111.00
09/23/92	LCS DUP	MSD192092309080	104.00
10/23/92	LCS	MSD292102308460	105.00
10/23/92	LCS DUP	MSD292102308460	99.00
10/14/92	LCS	MSD192101413560	78.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Methylnaphthalene continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	78.00
10/16/92	LCS	MSD192101609100	99.00
10/16/92	LCS DUP	MSD192101609100	94.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 103.2	Above acceptance :	0
Standard Deviation	: 14.98	Acceptance Criteria	NS
Method : SW8270			
Spiked Analyte : 2-Methylphenol(o-cresol)			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	80.00
07/23/92	LCS DUP	MSD292072310280	81.00
08/05/92	LCS	MSD292080508200	82.00
08/05/92	LCS DUP	MSD292080508200	74.00
08/06/92	LCS	MSD292080608290	81.00
08/06/92	LCS DUP	MSD292080608290	84.00
08/09/92	LCS	MSD292080810200	90.00
08/09/92	LCS DUP	MSD292080810200	91.00
08/10/92	LCS	MSD292081008350	81.00
08/10/92	LCS DUP	MSD292081008350	78.00
08/11/92	LCS	MSD292081108220	92.00
08/11/92	LCS DUP	MSD292081108220	93.00
08/17/92	LCS	MSD292081714490	74.00
08/17/92	LCS DUP	MSD292081714490	75.00
08/18/92	LCS	MSD292081808190	68.00
08/18/92	LCS DUP	MSD292081808190	78.00
08/22/92	LCS	MSD292082210460	84.00
08/22/92	LCS DUP	MSD292082210460	80.00
08/24/92	LCS	MSD292082408180	81.00
08/24/92	LCS DUP	MSD292082408180	79.00
08/12/92	LCS	MSD192081208590	90.00
08/12/92	LCS DUP	MSD192081208590	91.00
09/07/92	LCS	MSD292090710580	70.00
09/07/92	LCS DUP	MSD292090710580	72.00
09/21/92	LCS	MSD292092108300	81.00
09/21/92	LCS DUP	MSD292092108300	84.00
09/23/92	LCS	MSD292092314280	75.00
09/23/92	LCS DUP	MSD292092314280	77.00
10/14/92	LCS	MSD292101408230	91.00
10/14/92	LCS DUP	MSD292101408170	71.00
08/29/92	LCS	MSD192082911430	103.00
08/29/92	LCS DUP	MSD192082911430	92.00
08/31/92	LCS	MSD192083108300	86.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Methylphenol(o-cresol) continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	86.00
09/10/92	LCS DUP	MSD192091008420	85.00
09/10/92	LCS	MSD192091008420	91.00
09/10/92	LCS DUP	MSD192091008420	101.00
09/10/92	LCS	MSD192091008420	87.00
09/14/92	LCS	MSD192091409020	99.00
09/14/92	LCS DUP	MSD192091409020	99.00
09/16/92	LCS	MSD192091609020	93.00
09/16/92	LCS DUP	MSD192091609020	99.00
09/23/92	LCS	MSD192092309080	97.00
09/23/92	LCS DUP	MSD192092309080	94.00
10/23/92	LCS	MSD292102308460	97.00
10/23/92	LCS DUP	MSD292102308460	89.00
10/14/92	LCS	MSD192101413560	64.00
10/14/92	LCS DUP	MSD192101413560	58.00
10/16/92	LCS	MSD192101609100	93.00
10/16/92	LCS DUP	MSD192101609100	91.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 84.6	Above acceptance :	0
Standard Deviation	: 10.00	Acceptance Criteria	NS

Method : SW8270  
Spiked Analyte : 2-Nitroaniline

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	128.00
07/23/92	LCS DUP	MSD292072310280	127.00
08/05/92	LCS	MSD292080508200	122.00
08/05/92	LCS DUP	MSD292080508200	106.00
08/06/92	LCS	MSD292080608290	122.00
08/06/92	LCS DUP	MSD292080608290	125.00
08/09/92	LCS	MSD292080810200	128.00
08/09/92	LCS DUP	MSD292080810200	129.00
08/10/92	LCS	MSD292081008350	120.00
08/10/92	LCS DUP	MSD292081008350	115.00
08/11/92	LCS	MSD292081108220	127.00
08/11/92	LCS DUP	MSD292081108220	128.00
08/17/92	LCS	MSD292081714490	100.00
08/17/92	LCS DUP	MSD292081714490	100.00
08/18/92	LCS	MSD292081808190	110.00
08/18/92	LCS DUP	MSD292081808190	102.00
08/22/92	LCS	MSD292082210460	110.00
08/22/92	LCS DUP	MSD292082210460	108.00
08/24/92	LCS	MSD292082408180	114.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Nitroaniline continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	120.00
08/12/92	LCS	MSD192081208590	98.00
08/12/92	LCS DUP	MSD192081208590	96.00
09/07/92	LCS	MSD292090710580	97.00
09/07/92	LCS DUP	MSD292090710580	102.00
09/21/92	LCS	MSD292092108300	102.00
09/21/92	LCS DUP	MSD292092108300	106.00
09/23/92	LCS	MSD292092314280	96.00
09/23/92	LCS DUP	MSD292092314280	122.00
10/14/92	LCS	MSD292101408230	105.00
10/14/92	LCS DUP	MSD292101408170	98.00
08/29/92	LCS	MSD192082911430	91.00
08/29/92	LCS DUP	MSD192082911430	90.00
08/31/92	LCS	MSD192083108300	82.00
08/31/92	LCS DUP	MSD192083108300	89.00
09/10/92	LCS DUP	MSD192091008420	119.00
09/10/92	LCS	MSD192091008420	100.00
09/10/92	LCS DUP	MSD192091008420	97.00
09/10/92	LCS	MSD192091008420	107.00
09/14/92	LCS	MSD192091409020	86.00
09/14/92	LCS DUP	MSD192091409020	90.00
09/16/92	LCS	MSD192091609020	92.00
09/16/92	LCS DUP	MSD192091609020	85.00
09/23/92	LCS	MSD192092309080	95.00
09/23/92	LCS DUP	MSD192092309080	87.00
10/23/92	LCS	MSD292102308460	130.00
10/23/92	LCS DUP	MSD292102308460	126.00
10/14/92	LCS	MSD192101413560	96.00
10/14/92	LCS DUP	MSD192101413560	96.00
10/16/92	LCS	MSD192101609100	100.00
10/16/92	LCS DUP	MSD192101609100	91.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 106.2	Above acceptance :	0
Standard Deviation	: 14.24	Acceptance Criteria	NS

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Nitrophenol			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	98.00
07/23/92	LCS DUP	MSD292072310280	99.00
08/05/92	LCS	MSD292080508200	106.00
08/05/92	LCS DUP	MSD292080508200	92.00
08/06/92	LCS	MSD292080608290	102.00
08/06/92	LCS DUP	MSD292080608290	108.00
08/09/92	LCS	MSD292080810200	111.00
08/09/92	LCS DUP	MSD292080810200	112.00
08/10/92	LCS	MSD292081008350	104.00
08/10/92	LCS DUP	MSD292081008350	100.00
08/11/92	LCS	MSD292081108220	116.00
08/11/92	LCS DUP	MSD292081108220	120.00
08/17/92	LCS	MSD292081714490	87.00
08/17/92	LCS DUP	MSD292081714490	87.00
08/18/92	LCS	MSD292081808190	68.00
08/18/92	LCS DUP	MSD292081808190	81.00
08/22/92	LCS	MSD292082210460	92.00
08/22/92	LCS DUP	MSD292082210460	90.00
08/24/92	LCS	MSD292082408180	85.00
08/24/92	LCS DUP	MSD292082408180	86.00
08/12/92	LCS	MSD192081208590	100.00
08/12/92	LCS DUP	MSD192081208590	101.00
09/07/92	LCS	MSD292090710580	81.00
09/07/92	LCS DUP	MSD292090710580	86.00
09/21/92	LCS	MSD292092108300	91.00
09/21/92	LCS DUP	MSD292092108300	94.00
09/23/92	LCS	MSD292092314280	91.00
09/23/92	LCS DUP	MSD292092314280	82.00
10/14/92	LCS	MSD292101408230	98.00
10/14/92	LCS DUP	MSD292101408170	85.00
08/29/92	LCS	MSD192082911430	104.00
08/29/92	LCS DUP	MSD192082911430	99.00
08/31/92	LCS	MSD192083108300	93.00
08/31/92	LCS DUP	MSD192083108300	96.00
09/10/92	LCS DUP	MSD192091008420	95.00
09/10/92	LCS	MSD192091008420	94.00
09/10/92	LCS DUP	MSD192091008420	102.00
09/10/92	LCS	MSD192091008420	94.00
09/14/92	LCS	MSD192091409020	106.00
09/14/92	LCS DUP	MSD192091409020	106.00
09/16/92	LCS	MSD192091609020	101.00
09/16/92	LCS DUP	MSD192091609020	100.00
09/23/92	LCS	MSD192092309080	106.00
09/23/92	LCS DUP	MSD192092309080	104.00
10/23/92	LCS	MSD292102308460	104.00
10/23/92	LCS DUP	MSD292102308460	99.00
10/14/92	LCS	MSD192101413560	66.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 2-Nitrophenol continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	62.00
10/16/92	LCS	MSD192101609100	103.00
10/16/92	LCS DUP	MSD192101609100	99.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 95.7	Above acceptance :	0
Standard Deviation	: 11.73	Acceptance Criteria	29-182
Method : SW8270			
Spiked Analyte : 3,3'-Dichlorobenzidine			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	140.00
07/23/92	LCS DUP	MSD292072310280	130.00
08/05/92	LCS	MSD292080508200	138.00
08/05/92	LCS DUP	MSD292080508200	120.00
08/06/92	LCS	MSD292080608290	124.00
08/06/92	LCS DUP	MSD292080608290	128.00
08/09/92	LCS	MSD292080810200	135.00
08/09/92	LCS DUP	MSD292080810200	141.00
08/10/92	LCS	MSD292081008350	133.00
08/10/92	LCS DUP	MSD292081008350	131.00
08/11/92	LCS	MSD292081108220	139.00
08/11/92	LCS DUP	MSD292081108220	140.00
08/17/92	LCS	MSD292081714490	127.00
08/17/92	LCS DUP	MSD292081714490	129.00
08/18/92	LCS	MSD292081808190	121.00
08/18/92	LCS DUP	MSD292081808190	116.00
08/22/92	LCS	MSD292082210460	154.00
08/22/92	LCS DUP	MSD292082210460	125.00
08/24/92	LCS	MSD292082408180	111.00
08/24/92	LCS DUP	MSD292082408180	113.00
08/12/92	LCS	MSD192081208590	139.00
08/12/92	LCS DUP	MSD192081208590	111.00
09/07/92	LCS	MSD292090710580	128.00
09/07/92	LCS DUP	MSD292090710580	126.00
09/21/92	LCS	MSD292092108300	131.00
09/21/92	LCS DUP	MSD292092108300	136.00
09/23/92	LCS	MSD292092314280	110.00
09/23/92	LCS DUP	MSD292092314280	120.00
10/14/92	LCS	MSD292101408230	134.00
10/14/92	LCS DUP	MSD292101408170	129.00
08/29/92	LCS	MSD192082911430	137.00
08/29/92	LCS DUP	MSD192082911430	122.00
08/31/92	LCS	MSD192083108300	125.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 3,3'-Dichlorobenzidine continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	131.00
09/10/92	LCS DUP	MSD192091008420	165.00
09/10/92	LCS	MSD192091008420	129.00
09/10/92	LCS DUP	MSD192091008420	112.00
09/10/92	LCS	MSD192091008420	152.00
09/14/92	LCS	MSD192091409020	134.00
09/14/92	LCS DUP	MSD192091409020	133.00
09/16/92	LCS	MSD192091609020	146.00
09/16/92	LCS DUP	MSD192091609020	134.00
09/23/92	LCS	MSD192092309080	137.00
09/23/92	LCS DUP	MSD192092309080	128.00
10/23/92	LCS	MSD292102308460	141.00
10/23/92	LCS DUP	MSD292102308460	137.00
10/14/92	LCS	MSD192101413560	126.00
10/14/92	LCS DUP	MSD192101413560	131.00
10/16/92	LCS	MSD192101609100	119.00
10/16/92	LCS DUP	MSD192101609100	116.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 130.3	Above acceptance :	0
Standard Deviation	: 11.26	Acceptance Criteria	D-262

Method : SW8270  
 Spiked Analyte : 3-Nitroaniline  
 Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	117.00
07/23/92	LCS DUP	MSD292072310280	112.00
08/05/92	LCS	MSD292080508200	114.00
08/05/92	LCS DUP	MSD292080508200	99.00
08/06/92	LCS	MSD292080608290	112.00
08/06/92	LCS DUP	MSD292080608290	114.00
08/09/92	LCS	MSD292080810200	117.00
08/09/92	LCS DUP	MSD292080810200	119.00
08/10/92	LCS	MSD292081008350	116.00
08/10/92	LCS DUP	MSD292081008350	111.00
08/11/92	LCS	MSD292081108220	119.00
08/11/92	LCS DUP	MSD292081108220	117.00
08/17/92	LCS	MSD292081714490	102.00
08/17/92	LCS DUP	MSD292081714490	102.00
08/18/92	LCS	MSD292081808190	103.00
08/18/92	LCS DUP	MSD292081808190	100.00
08/22/92	LCS	MSD292082210460	111.00
08/22/92	LCS DUP	MSD292082210460	97.00
08/24/92	LCS	MSD292082408180	105.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 3-Nitroaniline continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	112.00
08/12/92	LCS	MSD192081208590	103.00
08/12/92	LCS DUP	MSD192081208590	80.00
09/07/92	LCS	MSD292090710580	105.00
09/07/92	LCS DUP	MSD292090710580	107.00
09/21/92	LCS	MSD292092108300	104.00
09/21/92	LCS DUP	MSD292092108300	109.00
09/23/92	LCS	MSD292092314280	95.00
09/23/92	LCS DUP	MSD292092314280	109.00
10/14/92	LCS	MSD292101408230	108.00
10/14/92	LCS DUP	MSD292101408170	104.00
08/29/92	LCS	MSD192082911430	110.00
08/29/92	LCS DUP	MSD192082911430	111.00
08/31/92	LCS	MSD192083108300	94.00
08/31/92	LCS DUP	MSD192083108300	105.00
09/10/92	LCS DUP	MSD192091008420	138.00
09/10/92	LCS	MSD192091008420	118.00
09/10/92	LCS DUP	MSD192091008420	113.00
09/10/92	LCS	MSD192091008420	134.00
09/14/92	LCS	MSD192091409020	105.00
09/14/92	LCS DUP	MSD192091409020	109.00
09/16/92	LCS	MSD192091609020	111.00
09/16/92	LCS DUP	MSD192091609020	113.00
09/23/92	LCS	MSD192092309080	113.00
09/23/92	LCS DUP	MSD192092309080	106.00
10/23/92	LCS	MSD292102308460	119.00
10/23/92	LCS DUP	MSD292102308460	113.00
10/14/92	LCS	MSD192101413560	109.00
10/14/92	LCS DUP	MSD192101413560	106.00
10/16/92	LCS	MSD192101609100	106.00
10/16/92	LCS DUP	MSD192101609100	99.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 109.1	Above acceptance :	0
Standard Deviation	: 9.31	Acceptance Criteria	NS

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 4,6-Dinitro-2-methylphenol			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	120.00
07/23/92	LCS DUP	MSD292072310280	122.00
08/05/92	LCS	MSD292080508200	130.00
08/05/92	LCS DUP	MSD292080508200	111.00
08/06/92	LCS	MSD292080608290	130.00
08/06/92	LCS DUP	MSD292080608290	136.00
08/09/92	LCS	MSD292080810200	136.00
08/09/92	LCS DUP	MSD292080810200	136.00
08/10/92	LCS	MSD292081008350	138.00
08/10/92	LCS DUP	MSD292081008350	131.00
08/11/92	LCS	MSD292081108220	148.00
08/11/92	LCS DUP	MSD292081108220	155.00
08/17/92	LCS	MSD292081714490	94.00
08/17/92	LCS DUP	MSD292081714490	95.00
08/18/92	LCS	MSD292081808190	80.00
08/18/92	LCS DUP	MSD292081808190	82.00
08/22/92	LCS	MSD292082210460	100.00
08/22/92	LCS DUP	MSD292082210460	95.00
08/24/92	LCS	MSD292082408180	89.00
08/24/92	LCS DUP	MSD292082408180	95.00
08/12/92	LCS	MSD192081208590	108.00
08/12/92	LCS DUP	MSD192081208590	109.00
09/07/92	LCS	MSD292090710580	86.00
09/07/92	LCS DUP	MSD292090710580	93.00
09/21/92	LCS	MSD292092108300	100.00
09/21/92	LCS DUP	MSD292092108300	107.00
09/23/92	LCS	MSD292092314280	87.00
09/23/92	LCS DUP	MSD292092314280	80.00
10/14/92	LCS	MSD292101408230	110.00
10/14/92	LCS DUP	MSD292101408170	96.00
08/29/92	LCS	MSD192082911430	115.00
08/29/92	LCS DUP	MSD192082911430	111.00
08/31/92	LCS	MSD192083108300	95.00
08/31/92	LCS DUP	MSD192083108300	99.00
09/10/92	LCS DUP	MSD192091008420	105.00
09/10/92	LCS	MSD192091008420	100.00
09/10/92	LCS DUP	MSD192091008420	106.00
09/10/92	LCS	MSD192091008420	81.00
09/14/92	LCS	MSD192091409020	104.00
09/14/92	LCS DUP	MSD192091409020	104.00
09/16/92	LCS	MSD192091609020	109.00
09/16/92	LCS DUP	MSD192091609020	102.00
09/23/92	LCS	MSD192092309080	116.00
09/23/92	LCS DUP	MSD192092309080	110.00
10/23/92	LCS	MSD292102308460	108.00
10/23/92	LCS DUP	MSD292102308460	101.00
10/14/92	LCS	MSD192101413560	104.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 4,6-Dinitro-2-methylphenol continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	103.00
10/16/92	LCS	MSD192101609100	116.00
10/16/92	LCS DUP	MSD192101609100	111.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 108.0	Above acceptance :	0
Standard Deviation	: 17.53	Acceptance Criteria	D-181
Method : SW8270			
Spiked Analyte : 4-Bromophenyl phenyl ether			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	101.00
07/23/92	LCS DUP	MSD292072310280	96.00
08/05/92	LCS	MSD292080508200	102.00
08/05/92	LCS DUP	MSD292080508200	90.00
08/06/92	LCS	MSD292080608290	97.00
08/06/92	LCS DUP	MSD292080608290	102.00
08/09/92	LCS	MSD292080810200	104.00
08/09/92	LCS DUP	MSD292080810200	106.00
08/10/92	LCS	MSD292081008350	103.00
08/10/92	LCS DUP	MSD292081008350	102.00
08/11/92	LCS	MSD292081108220	105.00
08/11/92	LCS DUP	MSD292081108220	105.00
08/17/92	LCS	MSD292081714490	94.00
08/17/92	LCS DUP	MSD292081714490	94.00
08/18/92	LCS	MSD292081808190	97.00
08/18/92	LCS DUP	MSD292081808190	93.00
08/22/92	LCS	MSD292082210460	96.00
08/22/92	LCS DUP	MSD292082210460	96.00
08/24/92	LCS	MSD292082408180	85.00
08/24/92	LCS DUP	MSD292082408180	91.00
08/12/92	LCS	MSD192081208590	95.00
08/12/92	LCS DUP	MSD192081208590	95.00
09/07/92	LCS	MSD292090710580	99.00
09/07/92	LCS DUP	MSD292090710580	103.00
09/21/92	LCS	MSD292092108300	88.00
09/21/92	LCS DUP	MSD292092108300	93.00
09/23/92	LCS	MSD292092314280	100.00
09/23/92	LCS DUP	MSD292092314280	90.00
10/14/92	LCS	MSD292101408230	85.00
10/14/92	LCS DUP	MSD292101408170	86.00
08/29/92	LCS	MSD192082911430	97.00
08/29/92	LCS DUP	MSD192082911430	94.00
08/31/92	LCS	MSD192083108300	82.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 4-Bromophenyl phenyl ether continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	89.00
09/10/92	LCS DUP	MSD192091008420	116.00
09/10/92	LCS	MSD192091008420	94.00
09/10/92	LCS DUP	MSD192091008420	92.00
09/10/92	LCS	MSD192091008420	102.00
09/14/92	LCS	MSD192091409020	87.00
09/14/92	LCS DUP	MSD192091409020	88.00
09/16/92	LCS	MSD192091609020	86.00
09/16/92	LCS DUP	MSD192091609020	80.00
09/23/92	LCS	MSD192092309080	93.00
09/23/92	LCS DUP	MSD192092309080	93.00
10/23/92	LCS	MSD292102308460	95.00
10/23/92	LCS DUP	MSD292102308460	90.00
10/14/92	LCS	MSD192101413560	80.00
10/14/92	LCS DUP	MSD192101413560	77.00
10/16/92	LCS	MSD192101609100	89.00
10/16/92	LCS DUP	MSD192101609100	81.00

Number of Samples : 50  
Mean % Recovery : 94.0  
Standard Deviation : 7.90

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria 53-127

Method : SW8270  
Spiked Analyte : 4-Chloro-3-methylphenol

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	86.00
07/23/92	LCS DUP	MSD292072310280	86.00
08/05/92	LCS	MSD292080508200	88.00
08/05/92	LCS DUP	MSD292080508200	76.00
08/06/92	LCS	MSD292080608290	85.00
08/06/92	LCS DUP	MSD292080608290	88.00
08/09/92	LCS	MSD292080810200	92.00
08/09/92	LCS DUP	MSD292080810200	93.00
08/10/92	LCS	MSD292081008350	88.00
08/10/92	LCS DUP	MSD292081008350	84.00
08/11/92	LCS	MSD292081108220	95.00
08/11/92	LCS DUP	MSD292081108220	98.00
08/17/92	LCS	MSD292081714490	92.00
08/17/92	LCS DUP	MSD292081714490	93.00
08/18/92	LCS	MSD292081808190	86.00
08/18/92	LCS DUP	MSD292081808190	90.00
08/22/92	LCS	MSD292082210460	100.00
08/22/92	LCS DUP	MSD292082210460	95.00
08/24/92	LCS	MSD292082408180	92.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 4-Chloro-3-methylphenol continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	96.00
08/12/92	LCS	MSD192081208590	101.00
08/12/92	LCS DUP	MSD192081208590	104.00
09/07/92	LCS	MSD292090710580	79.00
09/07/92	LCS DUP	MSD292090710580	84.00
09/21/92	LCS	MSD292092108300	93.00
09/21/92	LCS DUP	MSD292092108300	96.00
09/23/92	LCS	MSD292092314280	79.00
09/23/92	LCS DUP	MSD292092314280	82.00
10/14/92	LCS	MSD292101408230	94.00
10/14/92	LCS DUP	MSD292101408170	94.00
08/29/92	LCS	MSD192082911430	100.00
08/29/92	LCS DUP	MSD192082911430	96.00
08/31/92	LCS	MSD192083108300	86.00
08/31/92	LCS DUP	MSD192083108300	91.00
09/10/92	LCS DUP	MSD192091008420	87.00
09/10/92	LCS	MSD192091008420	86.00
09/10/92	LCS DUP	MSD192091008420	97.00
09/10/92	LCS	MSD192091008420	87.00
09/14/92	LCS	MSD192091409020	97.00
09/14/92	LCS DUP	MSD192091409020	96.00
09/16/92	LCS	MSD192091609020	90.00
09/16/92	LCS DUP	MSD192091609020	93.00
09/23/92	LCS	MSD192092309080	94.00
09/23/92	LCS DUP	MSD192092309080	94.00
10/23/92	LCS	MSD292102308460	112.00
10/23/92	LCS DUP	MSD292102308460	106.00
10/14/92	LCS	MSD192101413560	94.00
10/14/92	LCS DUP	MSD192101413560	93.00
10/16/92	LCS	MSD192101609100	102.00
10/16/92	LCS DUP	MSD192101609100	95.00

Number of Samples : 50  
Mean % Recovery : 92.1  
Standard Deviation : 7.01

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria 22-147

Type of Spike : Matrix Spike

07/23/92	09-MW-04-02 MS	MSD292072310280	85.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	87.00
08/05/92	10-DS-01 MS	MSD292080508200	87.00
08/05/92	10-DS-01 MSD	MSD292080508200	86.00
08/05/92	06-DS-01 MS	MSD292080508200	86.00
08/05/92	06-DS-01 MSD	MSD292080508200	84.00
08/09/92	06-DS-02 MS	MSD292080911050	81.00
08/09/92	06-DS-02 MSD	MSD292080911050	76.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 4-Chloro-3-methylphenol continued			
Type of Spike : Matrix Spike			
08/11/92	05-SS-06-01 MS	MSD292081108220	79.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	82.00
08/22/92	05-MW-04-02 MS	MSD292082210460	87.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	89.00
08/12/92	05-DS-01 MS	MSD192081208590	95.00
08/12/92	05-DS-01 MSD	MSD192081208590	98.00
09/07/92	04-DS-01 MS	MSD292090710580	84.00
09/07/92	04-DS-01 MSD	MSD292090710580	86.00
09/21/92	07-SS-01-01 MS	MSD292092108300	85.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	79.00
09/24/92	07-DS-03 MSD	MSD292092408270	87.00
09/25/92	07-DS-03 MS	MSD292092508300	94.00
08/29/92	11-SS-01-01 MS	MSD192082911430	95.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	86.00
09/10/92	07-MW-03-02 MS	MSD192091008420	91.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	90.00
09/14/92	09-MW-06-02 MS	MSD192091409020	86.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	83.00
10/16/92	10-DS-02 MS	MSD192101609100	94.00
10/16/92	10-DS-02 MSD	MSD192101609100	97.00
-----			
Number of Samples	: 28	Below acceptance :	0
Mean % Recovery	: 87.1	Above acceptance :	0
Standard Deviation	: 5.55	Acceptance Criteria	22-147

Method : SW8270  
Spiked Analyte : 4-Chlorophenyl phenyl ether

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	102.00
07/23/92	LCS DUP	MSD292072310280	100.00
08/05/92	LCS	MSD292080508200	102.00
08/05/92	LCS DUP	MSD292080508200	90.00
08/06/92	LCS	MSD292080608290	103.00
08/06/92	LCS DUP	MSD292080608290	102.00
08/09/92	LCS	MSD292080810200	104.00
08/09/92	LCS DUP	MSD292080810200	105.00
08/10/92	LCS	MSD292081008350	102.00
08/10/92	LCS DUP	MSD292081008350	98.00
08/11/92	LCS	MSD292081108220	106.00
08/11/92	LCS DUP	MSD292081108220	107.00
08/17/92	LCS	MSD292081714490	102.00
08/17/92	LCS DUP	MSD292081714490	102.00
08/18/92	LCS	MSD292081808190	103.00
08/18/92	LCS DUP	MSD292081808190	99.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 4-Chlorophenyl phenyl ether continued			
Type of Spike : Laboratory Control			
08/22/92	LCS	MSD292082210460	108.00
08/22/92	LCS DUP	MSD292082210460	108.00
08/24/92	LCS	MSD292082408180	96.00
08/24/92	LCS DUP	MSD292082408180	103.00
08/12/92	LCS	MSD192081208590	104.00
08/12/92	LCS DUP	MSD192081208590	108.00
09/07/92	LCS	MSD292090710580	111.00
09/07/92	LCS DUP	MSD292090710580	112.00
09/21/92	LCS	MSD292092108300	97.00
09/21/92	LCS DUP	MSD292092108300	103.00
09/23/92	LCS	MSD292092314280	100.00
09/23/92	LCS DUP	MSD292092314280	101.00
10/14/92	LCS	MSD292101408230	98.00
10/14/92	LCS DUP	MSD292101408170	96.00
08/29/92	LCS	MSD192082911430	108.00
08/29/92	LCS DUP	MSD192082911430	104.00
08/31/92	LCS	MSD192083108300	93.00
08/31/92	LCS DUP	MSD192083108300	102.00
09/10/92	LCS DUP	MSD192091008420	123.00
09/10/92	LCS	MSD192091008420	106.00
09/10/92	LCS DUP	MSD192091008420	106.00
09/10/92	LCS	MSD192091008420	120.00
09/14/92	LCS	MSD192091409020	99.00
09/14/92	LCS DUP	MSD192091409020	99.00
09/16/92	LCS	MSD192091609020	101.00
09/16/92	LCS DUP	MSD192091609020	92.00
09/23/92	LCS	MSD192092309080	109.00
09/23/92	LCS DUP	MSD192092309080	104.00
10/23/92	LCS	MSD292102308460	104.00
10/23/92	LCS DUP	MSD292102308460	100.00
10/14/92	LCS	MSD192101413560	94.00
10/14/92	LCS DUP	MSD192101413560	92.00
10/16/92	LCS	MSD192101609100	98.00
10/16/92	LCS DUP	MSD192101609100	93.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 102.4	Above acceptance :	0
Standard Deviation	: 6.38	Acceptance Criteria	25-158

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 4-Methylphenol(p-cresol)			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	78.00
07/23/92	LCS DUP	MSD292072310280	80.00
08/05/92	LCS	MSD292080508200	83.00
08/05/92	LCS DUP	MSD292080508200	75.00
08/06/92	LCS	MSD292080608290	81.00
08/06/92	LCS DUP	MSD292080608290	86.00
08/09/92	LCS	MSD292080810200	92.00
08/09/92	LCS DUP	MSD292080810200	94.00
08/10/92	LCS	MSD292081008350	85.00
08/10/92	LCS DUP	MSD292081008350	82.00
08/11/92	LCS	MSD292081108220	95.00
08/11/92	LCS DUP	MSD292081108220	98.00
08/17/92	LCS	MSD292081714490	71.00
08/17/92	LCS DUP	MSD292081714490	72.00
08/18/92	LCS	MSD292081808190	67.00
08/18/92	LCS DUP	MSD292081808190	74.00
08/22/92	LCS	MSD292082210460	80.00
08/22/92	LCS DUP	MSD292082210460	75.00
08/24/92	LCS	MSD292082408180	75.00
08/24/92	LCS DUP	MSD292082408180	75.00
08/12/92	LCS	MSD192081208590	93.00
08/12/92	LCS DUP	MSD192081208590	91.00
09/07/92	LCS	MSD292090710580	65.00
09/07/92	LCS DUP	MSD292090710580	68.00
09/21/92	LCS	MSD292092108300	76.00
09/21/92	LCS DUP	MSD292092108300	80.00
09/23/92	LCS	MSD292092314280	77.00
09/23/92	LCS DUP	MSD292092314280	80.00
10/14/92	LCS	MSD292101408230	80.00
10/14/92	LCS DUP	MSD292101408170	61.00
08/29/92	LCS	MSD192082911430	102.00
08/29/92	LCS DUP	MSD192082911430	92.00
08/31/92	LCS	MSD192083108300	87.00
08/31/92	LCS DUP	MSD192083108300	86.00
09/10/92	LCS DUP	MSD192091008420	87.00
09/10/92	LCS	MSD192091008420	91.00
09/10/92	LCS DUP	MSD192091008420	102.00
09/10/92	LCS	MSD192091008420	86.00
09/14/92	LCS	MSD192091409020	99.00
09/14/92	LCS DUP	MSD192091409020	98.00
09/16/92	LCS	MSD192091609020	96.00
09/16/92	LCS DUP	MSD192091609020	101.00
09/23/92	LCS	MSD192092309080	99.00
09/23/92	LCS DUP	MSD192092309080	95.00
10/23/92	LCS	MSD292102308460	80.00
10/23/92	LCS DUP	MSD292102308460	75.00
10/14/92	LCS	MSD192101413560	72.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 4-Methylphenol(p-cresol) continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	71.00
10/16/92	LCS	MSD192101609100	85.00
10/16/92	LCS DUP	MSD192101609100	83.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 83.5	Above acceptance :	0
Standard Deviation	: 10.52	Acceptance Criteria	NS
Method : SW8270			
Spiked Analyte : 4-Nitroaniline			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	114.00
07/23/92	LCS DUP	MSD292072310280	109.00
08/05/92	LCS	MSD292080508200	112.00
08/05/92	LCS DUP	MSD292080508200	96.00
08/06/92	LCS	MSD292080608290	109.00
08/06/92	LCS DUP	MSD292080608290	113.00
08/09/92	LCS	MSD292080810200	116.00
08/09/92	LCS DUP	MSD292080810200	117.00
08/10/92	LCS	MSD292081008350	112.00
08/10/92	LCS DUP	MSD292081008350	106.00
08/11/92	LCS	MSD292081108220	118.00
08/11/92	LCS DUP	MSD292081108220	117.00
08/17/92	LCS	MSD292081714490	99.00
08/17/92	LCS DUP	MSD292081714490	99.00
08/18/92	LCS	MSD292081808190	98.00
08/18/92	LCS DUP	MSD292081808190	93.00
08/22/92	LCS	MSD292082210460	108.00
08/22/92	LCS DUP	MSD292082210460	106.00
08/24/92	LCS	MSD292082408180	98.00
08/24/92	LCS DUP	MSD292082408180	106.00
08/12/92	LCS	MSD192081208590	95.00
08/12/92	LCS DUP	MSD192081208590	89.00
09/07/92	LCS	MSD292090710580	102.00
09/07/92	LCS DUP	MSD292090710580	103.00
09/21/92	LCS	MSD292092108300	100.00
09/21/92	LCS DUP	MSD292092108300	102.00
09/23/92	LCS	MSD292092314280	93.00
09/23/92	LCS DUP	MSD292092314280	92.00
10/14/92	LCS	MSD292101408230	94.00
10/14/92	LCS DUP	MSD292101408170	91.00
08/29/92	LCS	MSD192082911430	102.00
08/29/92	LCS DUP	MSD192082911430	100.00
08/31/92	LCS	MSD192083108300	87.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 4-Nitroaniline continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	93.00
09/10/92	LCS DUP	MSD192091008420	129.00
09/10/92	LCS	MSD192091008420	102.00
09/10/92	LCS DUP	MSD192091008420	101.00
09/10/92	LCS	MSD192091008420	119.00
09/14/92	LCS	MSD192091409020	101.00
09/14/92	LCS DUP	MSD192091409020	96.00
09/16/92	LCS	MSD192091609020	103.00
09/16/92	LCS DUP	MSD192091609020	93.00
09/23/92	LCS	MSD192092309080	102.00
09/23/92	LCS DUP	MSD192092309080	94.00
10/23/92	LCS	MSD292102308460	111.00
10/23/92	LCS DUP	MSD292102308460	105.00
10/14/92	LCS	MSD192101413560	99.00
10/14/92	LCS DUP	MSD192101413560	96.00
10/16/92	LCS	MSD192101609100	97.00
10/16/92	LCS DUP	MSD192101609100	91.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 102.6	Above acceptance :	0
Standard Deviation	: 9.13	Acceptance Criteria	NS

Method : SW8270  
Spiked Analyte : 4-Nitrophenol

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	77.00
07/23/92	LCS DUP	MSD292072310280	79.00
08/05/92	LCS	MSD292080508200	85.00
08/05/92	LCS DUP	MSD292080508200	72.00
08/06/92	LCS	MSD292080608290	84.00
08/06/92	LCS DUP	MSD292080608290	88.00
08/09/92	LCS	MSD292080810200	88.00
08/09/92	LCS DUP	MSD292080810200	90.00
08/10/92	LCS	MSD292081008350	88.00
08/10/92	LCS DUP	MSD292081008350	84.00
08/11/92	LCS	MSD292081108220	94.00
08/11/92	LCS DUP	MSD292081108220	98.00
08/17/92	LCS	MSD292081714490	86.00
08/17/92	LCS DUP	MSD292081714490	86.00
08/18/92	LCS	MSD292081808190	76.00
08/18/92	LCS DUP	MSD292081808190	76.00
08/22/92	LCS	MSD292082210460	108.00
08/22/92	LCS DUP	MSD292082210460	106.00
08/24/92	LCS	MSD292082408180	89.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 4-Nitrophenol continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	93.00
08/12/92	LCS	MSD192081208590	107.00
08/12/92	LCS DUP	MSD192081208590	105.00
09/07/92	LCS	MSD292090710580	78.00
09/07/92	LCS DUP	MSD292090710580	85.00
09/21/92	LCS	MSD292092108300	87.00
09/21/92	LCS DUP	MSD292092108300	93.00
09/23/92	LCS	MSD292092314280	83.00
09/23/92	LCS DUP	MSD292092314280	88.00
10/14/92	LCS	MSD292101408230	78.00
10/14/92	LCS DUP	MSD292101408170	88.00
08/29/92	LCS	MSD192082911430	98.00
08/29/92	LCS DUP	MSD192082911430	100.00
08/31/92	LCS	MSD192083108300	81.00
08/31/92	LCS DUP	MSD192083108300	90.00
09/10/92	LCS DUP	MSD192091008420	72.00
09/10/92	LCS	MSD192091008420	72.00
09/10/92	LCS DUP	MSD192091008420	77.00
09/10/92	LCS	MSD192091008420	63.00
09/14/92	LCS	MSD192091409020	76.00
09/14/92	LCS DUP	MSD192091409020	73.00
09/16/92	LCS	MSD192091609020	68.00
09/16/92	LCS DUP	MSD192091609020	69.00
09/23/92	LCS	MSD192092309080	58.00
09/23/92	LCS DUP	MSD192092309080	59.00
10/23/92	LCS	MSD292102308460	101.00
10/23/92	LCS DUP	MSD292102308460	97.00
10/14/92	LCS	MSD192101413560	115.00
10/14/92	LCS DUP	MSD192101413560	118.00
10/16/92	LCS	MSD192101609100	111.00
10/16/92	LCS DUP	MSD192101609100	102.00

Number of Samples : 50  
Mean % Recovery : 86.8  
Standard Deviation : 13.96

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria D-132

Type of Spike : Matrix Spike

07/23/92	09-MW-04-02 MS	MSD292072310280	69.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	70.00
08/05/92	10-DS-01 MS	MSD292080508200	72.00
08/05/92	10-DS-01 MSD	MSD292080508200	77.00
08/05/92	06-DS-01 MS	MSD292080508200	75.00
08/05/92	06-DS-01 MSD	MSD292080508200	74.00
08/09/92	06-DS-02 MS	MSD292080911050	83.00
08/09/92	06-DS-02 MSD	MSD292080911050	71.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : 4-Nitrophenol continued			
Type of Spike : Matrix Spike			
08/11/92	05-SS-06-01 MS	MSD292081108220	73.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	79.00
08/22/92	05-MW-04-02 MS	MSD292082210460	87.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	94.00
08/12/92	05-DS-01 MS	MSD192081208590	94.00
08/12/92	05-DS-01 MSD	MSD192081208590	93.00
09/07/92	04-DS-01 MS	MSD292090710580	79.00
09/07/92	04-DS-01 MSD	MSD292090710580	83.00
09/21/92	07-SS-01-01 MS	MSD292092108300	75.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	121.00
09/24/92	07-DS-03 MSD	MSD292092408270	100.00
09/25/92	07-DS-03 MS	MSD292092508300	88.00
08/29/92	11-SS-01-01 MS	MSD192082911430	110.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	83.00
09/10/92	07-MW-03-02 MS	MSD192091008420	70.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	68.00
09/14/92	09-MW-06-02 MS	MSD192091409020	67.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	62.00
10/16/92	10-DS-02 MS	MSD192101609100	97.00
10/16/92	10-DS-02 MSD	MSD192101609100	94.00

Number of Samples	: 28	Below acceptance :	0
Mean % Recovery	: 82.4	Above acceptance :	0
Standard Deviation	: 13.95	Acceptance Criteria	D-132

Method : SW8270  
 Spiked Analyte : Acenaphthene  
 Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	92.00
07/23/92	LCS DUP	MSD292072310280	90.00
08/05/92	LCS	MSD292080508200	91.00
08/05/92	LCS DUP	MSD292080508200	80.00
08/06/92	LCS	MSD292080608290	90.00
08/06/92	LCS DUP	MSD292080608290	92.00
08/09/92	LCS	MSD292080810200	95.00
08/09/92	LCS DUP	MSD292080810200	96.00
08/10/92	LCS	MSD292081008350	91.00
08/10/92	LCS DUP	MSD292081008350	87.00
08/11/92	LCS	MSD292081108220	94.00
08/11/92	LCS DUP	MSD292081108220	97.00
08/17/92	LCS	MSD292081714490	92.00
08/17/92	LCS DUP	MSD292081714490	92.00
08/18/92	LCS	MSD292081808190	93.00
08/18/92	LCS DUP	MSD292081808190	90.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Acenaphthene continued			
Type of Spike : Laboratory Control			
08/22/92	LCS	MSD292082210460	99.00
08/22/92	LCS DUP	MSD292082210460	101.00
08/24/92	LCS	MSD292082408180	91.00
08/24/92	LCS DUP	MSD292082408180	96.00
08/12/92	LCS	MSD192081208590	96.00
08/12/92	LCS DUP	MSD192081208590	95.00
09/07/92	LCS	MSD292090710580	97.00
09/07/92	LCS DUP	MSD292090710580	101.00
09/21/92	LCS	MSD292092108300	93.00
09/21/92	LCS DUP	MSD292092108300	96.00
09/23/92	LCS	MSD292092314280	89.00
09/23/92	LCS DUP	MSD292092314280	100.00
10/14/92	LCS	MSD292101408230	94.00
10/14/92	LCS DUP	MSD292101408170	91.00
08/29/92	LCS	MSD192082911430	98.00
08/29/92	LCS DUP	MSD192082911430	95.00
08/31/92	LCS	MSD192083108300	83.00
08/31/92	LCS DUP	MSD192083108300	96.00
09/10/92	LCS DUP	MSD192091008420	122.00
09/10/92	LCS	MSD192091008420	103.00
09/10/92	LCS DUP	MSD192091008420	98.00
09/10/92	LCS	MSD192091008420	118.00
09/14/92	LCS	MSD192091409020	94.00
09/14/92	LCS DUP	MSD192091409020	96.00
09/16/92	LCS	MSD192091609020	95.00
09/16/92	LCS DUP	MSD192091609020	95.00
09/23/92	LCS	MSD192092309080	101.00
09/23/92	LCS DUP	MSD192092309080	97.00
10/23/92	LCS	MSD292102308460	93.00
10/23/92	LCS DUP	MSD292102308460	90.00
10/14/92	LCS	MSD192101413560	87.00
10/14/92	LCS DUP	MSD192101413560	90.00
10/16/92	LCS	MSD192101609100	96.00
10/16/92	LCS DUP	MSD192101609100	89.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 94.7	Above acceptance :	0
Standard Deviation	: 6.87	Acceptance Criteria	47-145

Type of Spike : Matrix Spike

07/23/92	09-MW-04-02 MS	MSD292072310280	74.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	83.00
08/05/92	10-DS-01 MS	MSD292080508200	87.00
08/05/92	10-DS-01 MSD	MSD292080508200	88.00
08/05/92	06-DS-01 MS	MSD292080508200	83.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Acenaphthene continued			
Type of Spike : Matrix Spike			
08/05/92	06-DS-01 MSD	MSD292080508200	83.00
08/09/92	06-DS-02 MS	MSD292080911050	82.00
08/09/92	06-DS-02 MSD	MSD292080911050	75.00
08/11/92	05-SS-06-01 MS	MSD292081108220	80.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	87.00
08/22/92	05-MW-04-02 MS	MSD292082210460	94.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	96.00
08/12/92	05-DS-01 MS	MSD192081208590	84.00
08/12/92	05-DS-01 MSD	MSD192081208590	86.00
09/07/92	04-DS-01 MS	MSD292090710580	85.00
09/07/92	04-DS-01 MSD	MSD292090710580	89.00
09/21/92	07-SS-01-01 MS	MSD292092108300	88.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	85.00
09/24/92	07-DS-03 MSD	MSD292092408270	103.00
09/25/92	07-DS-03 MS	MSD292092508300	100.00
08/29/92	11-SS-01-01 MS	MSD192082911430	90.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	82.00
09/10/92	07-MW-03-02 MS	MSD192091008420	89.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	82.00
09/14/92	09-MW-06-02 MS	MSD192091409020	85.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	78.00
10/16/92	10-DS-02 MS	MSD192101609100	94.00
10/16/92	10-DS-02 MSD	MSD192101609100	92.00

Number of Samples	: 28	Below acceptance :	0
Mean % Recovery	: 86.6	Above acceptance :	1
Standard Deviation	: 6.75	Acceptance Criteria	37-100

Method : SW8270  
 Spiked Analyte : Acenaphthylene  
 Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	97.00
07/23/92	LCS DUP	MSD292072310280	94.00
08/05/92	LCS	MSD292080508200	97.00
08/05/92	LCS DUP	MSD292080508200	86.00
08/06/92	LCS	MSD292080608290	98.00
08/06/92	LCS DUP	MSD292080608290	99.00
08/09/92	LCS	MSD292080810200	102.00
08/09/92	LCS DUP	MSD292080810200	103.00
08/10/92	LCS	MSD292081008350	100.00
08/10/92	LCS DUP	MSD292081008350	95.00
08/11/92	LCS	MSD292081108220	102.00
08/11/92	LCS DUP	MSD292081108220	105.00
08/17/92	LCS	MSD292081714490	100.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Acenaphthylene continued			
Type of Spike : Laboratory Control			
08/17/92	LCS DUP	MSD292081714490	100.00
08/18/92	LCS	MSD292081808190	104.00
08/18/92	LCS DUP	MSD292081808190	101.00
08/22/92	LCS	MSD292082210460	110.00
08/22/92	LCS DUP	MSD292082210460	112.00
08/24/92	LCS	MSD292082408180	102.00
08/24/92	LCS DUP	MSD292082408180	105.00
08/12/92	LCS	MSD192081208590	103.00
08/12/92	LCS DUP	MSD192081208590	104.00
09/07/92	LCS	MSD292090710580	108.00
09/07/92	LCS DUP	MSD292090710580	114.00
09/21/92	LCS	MSD292092108300	106.00
09/21/92	LCS DUP	MSD292092108300	109.00
09/23/92	LCS	MSD292092314280	99.00
09/23/92	LCS DUP	MSD292092314280	98.00
10/14/92	LCS	MSD292101408230	101.00
10/14/92	LCS DUP	MSD292101408170	94.00
08/29/92	LCS	MSD192082911430	111.00
08/29/92	LCS DUP	MSD192082911430	110.00
08/31/92	LCS	MSD192083108300	96.00
08/31/92	LCS DUP	MSD192083108300	102.00
09/10/92	LCS DUP	MSD192091008420	140.00
09/10/92	LCS	MSD192091008420	119.00
09/10/92	LCS DUP	MSD192091008420	113.00
09/10/92	LCS	MSD192091008420	136.00
09/14/92	LCS	MSD192091409020	108.00
09/14/92	LCS DUP	MSD192091409020	111.00
09/16/92	LCS	MSD192091609020	111.00
09/16/92	LCS DUP	MSD192091609020	110.00
09/23/92	LCS	MSD192092309080	111.00
09/23/92	LCS DUP	MSD192092309080	109.00
10/23/92	LCS	MSD292102308460	105.00
10/23/92	LCS DUP	MSD292102308460	100.00
10/14/92	LCS	MSD192101413560	101.00
10/14/92	LCS DUP	MSD192101413560	99.00
10/16/92	LCS	MSD192101609100	109.00
10/16/92	LCS DUP	MSD192101609100	101.00

Number of Samples : 50  
Mean % Recovery : 105.0  
Standard Deviation : 9.25

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria 33-145

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Anthracene			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	103.00
07/23/92	LCS DUP	MSD292072310280	100.00
08/05/92	LCS	MSD292080508200	98.00
08/05/92	LCS DUP	MSD292080508200	86.00
08/06/92	LCS	MSD292080608290	95.00
08/06/92	LCS DUP	MSD292080608290	96.00
08/09/92	LCS	MSD292080810200	105.00
08/09/92	LCS DUP	MSD292080810200	105.00
08/10/92	LCS	MSD292081008350	101.00
08/10/92	LCS DUP	MSD292081008350	100.00
08/11/92	LCS	MSD292081108220	102.00
08/11/92	LCS DUP	MSD292081108220	103.00
08/17/92	LCS	MSD292081714490	96.00
08/17/92	LCS DUP	MSD292081714490	100.00
08/18/92	LCS	MSD292081808190	104.00
08/18/92	LCS DUP	MSD292081808190	98.00
08/22/92	LCS	MSD292082210460	109.00
08/22/92	LCS DUP	MSD292082210460	107.00
08/24/92	LCS	MSD292082408180	96.00
08/24/92	LCS DUP	MSD292082408180	100.00
08/12/92	LCS	MSD192081208590	103.00
08/12/92	LCS DUP	MSD192081208590	105.00
09/07/92	LCS	MSD292090710580	108.00
09/07/92	LCS DUP	MSD292090710580	112.00
09/21/92	LCS	MSD292092108300	103.00
09/21/92	LCS DUP	MSD292092108300	110.00
09/23/92	LCS	MSD292092314280	99.00
09/23/92	LCS DUP	MSD292092314280	107.00
10/14/92	LCS	MSD292101408230	103.00
10/14/92	LCS DUP	MSD292101408170	106.00
08/29/92	LCS	MSD192082911430	111.00
08/29/92	LCS DUP	MSD192082911430	104.00
08/31/92	LCS	MSD192083108300	89.00
08/31/92	LCS DUP	MSD192083108300	103.00
09/10/92	LCS DUP	MSD192091008420	130.00
09/10/92	LCS	MSD192091008420	102.00
09/10/92	LCS DUP	MSD192091008420	102.00
09/10/92	LCS	MSD192091008420	124.00
09/14/92	LCS	MSD192091409020	101.00
09/14/92	LCS DUP	MSD192091409020	106.00
09/16/92	LCS	MSD192091609020	104.00
09/16/92	LCS DUP	MSD192091609020	101.00
09/23/92	LCS	MSD192092309080	106.00
09/23/92	LCS DUP	MSD192092309080	104.00
10/23/92	LCS	MSD292102308460	104.00
10/23/92	LCS DUP	MSD292102308460	98.00
10/14/92	LCS	MSD192101413560	97.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Anthracene continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	99.00
10/16/92	LCS	MSD192101609100	98.00
10/16/92	LCS DUP	MSD192101609100	94.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 102.7	Above acceptance :	0
Standard Deviation	: 7.13	Acceptance Criteria	27-133
Method : SW8270			
Spiked Analyte : Benzo(a)anthracene			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	100.00
07/23/92	LCS DUP	MSD292072310280	98.00
08/05/92	LCS	MSD292080508200	98.00
08/05/92	LCS DUP	MSD292080508200	85.00
08/06/92	LCS	MSD292080608290	93.00
08/06/92	LCS DUP	MSD292080608290	97.00
08/09/92	LCS	MSD292080810200	97.00
08/09/92	LCS DUP	MSD292080810200	100.00
08/10/92	LCS	MSD292081008350	94.00
08/10/92	LCS DUP	MSD292081008350	93.00
08/11/92	LCS	MSD292081108220	97.00
08/11/92	LCS DUP	MSD292081108220	98.00
08/17/92	LCS	MSD292081714490	100.00
08/17/92	LCS DUP	MSD292081714490	101.00
08/18/92	LCS	MSD292081808190	100.00
08/18/92	LCS DUP	MSD292081808190	95.00
08/22/92	LCS	MSD292082210460	119.00
08/22/92	LCS DUP	MSD292082210460	114.00
08/24/92	LCS	MSD292082408180	98.00
08/24/92	LCS DUP	MSD292082408180	101.00
08/12/92	LCS	MSD192081208590	116.00
08/12/92	LCS DUP	MSD192081208590	97.00
09/07/92	LCS	MSD292090710580	103.00
09/07/92	LCS DUP	MSD292090710580	108.00
09/21/92	LCS	MSD292092108300	97.00
09/21/92	LCS DUP	MSD292092108300	102.00
09/23/92	LCS	MSD292092314280	94.00
09/23/92	LCS DUP	MSD292092314280	99.00
10/14/92	LCS	MSD292101408230	104.00
10/14/92	LCS DUP	MSD292101408170	100.00
08/29/92	LCS	MSD192082911430	97.00
08/29/92	LCS DUP	MSD192082911430	88.00
08/31/92	LCS	MSD192083108300	94.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Benzo(a)anthracene continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	104.00
09/10/92	LCS DUP	MSD192091008420	120.00
09/10/92	LCS	MSD192091008420	105.00
09/10/92	LCS DUP	MSD192091008420	94.00
09/10/92	LCS	MSD192091008420	114.00
09/14/92	LCS	MSD192091409020	94.00
09/14/92	LCS DUP	MSD192091409020	99.00
09/16/92	LCS	MSD192091609020	97.00
09/16/92	LCS DUP	MSD192091609020	92.00
09/23/92	LCS	MSD192092309080	93.00
09/23/92	LCS DUP	MSD192092309080	93.00
10/23/92	LCS	MSD292102308460	103.00
10/23/92	LCS DUP	MSD292102308460	98.00
10/14/92	LCS	MSD192101413560	94.00
10/14/92	LCS DUP	MSD192101413560	95.00
10/16/92	LCS	MSD192101609100	92.00
10/16/92	LCS DUP	MSD192101609100	86.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 99.0	Above acceptance :	0
Standard Deviation	: 7.48	Acceptance Criteria	33-143

Method : SW8270  
 Spiked Analyte : Benzo(a)pyrene  
 Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	89.00
07/23/92	LCS DUP	MSD292072310280	86.00
08/05/92	LCS	MSD292080508200	84.00
08/05/92	LCS DUP	MSD292080508200	74.00
08/06/92	LCS	MSD292080608290	82.00
08/06/92	LCS DUP	MSD292080608290	83.00
08/09/92	LCS	MSD292080810200	90.00
08/09/92	LCS DUP	MSD292080810200	91.00
08/10/92	LCS	MSD292081008350	86.00
08/10/92	LCS DUP	MSD292081008350	84.00
08/11/92	LCS	MSD292081108220	88.00
08/11/92	LCS DUP	MSD292081108220	89.00
08/17/92	LCS	MSD292081714490	90.00
08/17/92	LCS DUP	MSD292081714490	93.00
08/18/92	LCS	MSD292081808190	88.00
08/18/92	LCS DUP	MSD292081808190	84.00
08/22/92	LCS	MSD292082210460	118.00
08/22/92	LCS DUP	MSD292082210460	109.00
08/24/92	LCS	MSD292082408180	86.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Benzo(a)pyrene continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	93.00
08/12/92	LCS	MSD192081208590	116.00
08/12/92	LCS DUP	MSD192081208590	98.00
09/07/92	LCS	MSD292090710580	94.00
09/07/92	LCS DUP	MSD292090710580	99.00
09/21/92	LCS	MSD292092108300	90.00
09/21/92	LCS DUP	MSD292092108300	96.00
09/23/92	LCS	MSD292092314280	87.00
09/23/92	LCS DUP	MSD292092314280	92.00
10/14/92	LCS	MSD292101408230	97.00
10/14/92	LCS DUP	MSD292101408170	96.00
08/29/92	LCS	MSD192082911430	99.00
08/29/92	LCS DUP	MSD192082911430	88.00
08/31/92	LCS	MSD192083108300	82.00
08/31/92	LCS DUP	MSD192083108300	87.00
09/10/92	LCS DUP	MSD192091008420	114.00
09/10/92	LCS	MSD192091008420	90.00
09/10/92	LCS DUP	MSD192091008420	88.00
09/10/92	LCS	MSD192091008420	107.00
09/14/92	LCS	MSD192091409020	86.00
09/14/92	LCS DUP	MSD192091409020	92.00
09/16/92	LCS	MSD192091609020	93.00
09/16/92	LCS DUP	MSD192091609020	90.00
09/23/92	LCS	MSD192092309080	93.00
09/23/92	LCS DUP	MSD192092309080	89.00
10/23/92	LCS	MSD292102308460	95.00
10/23/92	LCS DUP	MSD292102308460	90.00
10/14/92	LCS	MSD192101413560	86.00
10/14/92	LCS DUP	MSD192101413560	86.00
10/16/92	LCS	MSD192101609100	88.00
10/16/92	LCS DUP	MSD192101609100	83.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 91.6	Above acceptance :	0
Standard Deviation	: 8.72	Acceptance Criteria	17-163

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Benzo(b)fluoranthene			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	92.00
07/23/92	LCS DUP	MSD292072310280	85.00
08/05/92	LCS	MSD292080508200	87.00
08/05/92	LCS DUP	MSD292080508200	77.00
08/06/92	LCS	MSD292080608290	85.00
08/06/92	LCS DUP	MSD292080608290	86.00
08/09/92	LCS	MSD292080810200	87.00
08/09/92	LCS DUP	MSD292080810200	92.00
08/10/92	LCS	MSD292081008350	86.00
08/10/92	LCS DUP	MSD292081008350	85.00
08/11/92	LCS	MSD292081108220	86.00
08/11/92	LCS DUP	MSD292081108220	90.00
08/17/92	LCS	MSD292081714490	91.00
08/17/92	LCS DUP	MSD292081714490	91.00
08/18/92	LCS	MSD292081808190	89.00
08/18/92	LCS DUP	MSD292081808190	85.00
08/22/92	LCS	MSD292082210460	111.00
08/22/92	LCS DUP	MSD292082210460	107.00
08/24/92	LCS	MSD292082408180	90.00
08/24/92	LCS DUP	MSD292082408180	98.00
08/12/92	LCS	MSD192081208590	136.00
08/12/92	LCS DUP	MSD192081208590	95.00
09/07/92	LCS	MSD292090710580	89.00
09/07/92	LCS DUP	MSD292090710580	96.00
09/21/92	LCS	MSD292092108300	88.00
09/21/92	LCS DUP	MSD292092108300	92.00
09/23/92	LCS	MSD292092314280	86.00
09/23/92	LCS DUP	MSD292092314280	91.00
10/14/92	LCS	MSD292101408230	91.00
10/14/92	LCS DUP	MSD292101408170	99.00
08/29/92	LCS	MSD192082911430	96.00
08/29/92	LCS DUP	MSD192082911430	81.00
08/31/92	LCS	MSD192083108300	92.00
08/31/92	LCS DUP	MSD192083108300	94.00
09/10/92	LCS DUP	MSD192091008420	112.00
09/10/92	LCS	MSD192091008420	90.00
09/10/92	LCS DUP	MSD192091008420	87.00
09/10/92	LCS	MSD192091008420	104.00
09/14/92	LCS	MSD192091409020	80.00
09/14/92	LCS DUP	MSD192091409020	89.00
09/16/92	LCS	MSD192091609020	87.00
09/16/92	LCS DUP	MSD192091609020	80.00
09/23/92	LCS	MSD192092309080	91.00
09/23/92	LCS DUP	MSD192092309080	81.00
10/23/92	LCS	MSD292102308460	91.00
10/23/92	LCS DUP	MSD292102308460	90.00
10/14/92	LCS	MSD192101413560	80.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Benzo(b)fluoranthene continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	85.00
10/16/92	LCS	MSD192101609100	88.00
10/16/92	LCS DUP	MSD192101609100	78.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 90.8	Above acceptance :	0
Standard Deviation	: 9.88	Acceptance Criteria	24-159
Method : SW8270			
Spiked Analyte : Benzo(g,h,i)perylene			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	90.00
07/23/92	LCS DUP	MSD292072310280	88.00
08/05/92	LCS	MSD292080508200	84.00
08/05/92	LCS DUP	MSD292080508200	72.00
08/06/92	LCS	MSD292080608290	86.00
08/06/92	LCS DUP	MSD292080608290	86.00
08/09/92	LCS	MSD292080810200	82.00
08/09/92	LCS DUP	MSD292080810200	82.00
08/10/92	LCS	MSD292081008350	93.00
08/10/92	LCS DUP	MSD292081008350	91.00
08/11/92	LCS	MSD292081108220	94.00
08/11/92	LCS DUP	MSD292081108220	95.00
08/17/92	LCS	MSD292081714490	82.00
08/17/92	LCS DUP	MSD292081714490	83.00
08/18/92	LCS	MSD292081808190	89.00
08/18/92	LCS DUP	MSD292081808190	85.00
08/22/92	LCS	MSD292082210460	129.00
08/22/92	LCS DUP	MSD292082210460	122.00
08/24/92	LCS	MSD292082408180	90.00
08/24/92	LCS DUP	MSD292082408180	97.00
08/12/92	LCS	MSD192081208590	115.00
08/12/92	LCS DUP	MSD192081208590	97.00
09/07/92	LCS	MSD292090710580	112.00
09/07/92	LCS DUP	MSD292090710580	114.00
09/21/92	LCS	MSD292092108300	109.00
09/21/92	LCS DUP	MSD292092108300	114.00
09/23/92	LCS	MSD292092314280	66.00
09/23/92	LCS DUP	MSD292092314280	71.00
10/14/92	LCS	MSD292101408230	100.00
10/14/92	LCS DUP	MSD292101408170	98.00
08/29/92	LCS	MSD192082911430	90.00
08/29/92	LCS DUP	MSD192082911430	79.00
08/31/92	LCS	MSD192083108300	77.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Benzo(g,h,i)perylene continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	85.00
09/10/92	LCS DUP	MSD192091008420	108.00
09/10/92	LCS	MSD192091008420	91.00
09/10/92	LCS DUP	MSD192091008420	87.00
09/10/92	LCS	MSD192091008420	100.00
09/14/92	LCS	MSD192091409020	81.00
09/14/92	LCS DUP	MSD192091409020	81.00
09/16/92	LCS	MSD192091609020	84.00
09/16/92	LCS DUP	MSD192091609020	76.00
09/23/92	LCS	MSD192092309080	90.00
09/23/92	LCS DUP	MSD192092309080	84.00
10/23/92	LCS	MSD292102308460	124.00
10/23/92	LCS DUP	MSD292102308460	114.00
10/14/92	LCS	MSD192101413560	80.00
10/14/92	LCS DUP	MSD192101413560	86.00
10/16/92	LCS	MSD192101609100	94.00
10/16/92	LCS DUP	MSD192101609100	84.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 92.2	Above acceptance :	0
Standard Deviation	: 14.22	Acceptance Criteria	D-219

Method : SW8270  
Spiked Analyte : Benzo(k)fluoranthene

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	88.00
07/23/92	LCS DUP	MSD292072310280	90.00
08/05/92	LCS	MSD292080508200	86.00
08/05/92	LCS DUP	MSD292080508200	75.00
08/06/92	LCS	MSD292080608290	87.00
08/06/92	LCS DUP	MSD292080608290	89.00
08/09/92	LCS	MSD292080810200	94.00
08/09/92	LCS DUP	MSD292080810200	90.00
08/10/92	LCS	MSD292081008350	86.00
08/10/92	LCS DUP	MSD292081008350	85.00
08/11/92	LCS	MSD292081108220	91.00
08/11/92	LCS DUP	MSD292081108220	90.00
08/17/92	LCS	MSD292081714490	105.00
08/17/92	LCS DUP	MSD292081714490	111.00
08/18/92	LCS	MSD292081808190	110.00
08/18/92	LCS DUP	MSD292081808190	103.00
08/22/92	LCS	MSD292082210460	136.00
08/22/92	LCS DUP	MSD292082210460	126.00
08/24/92	LCS	MSD292082408180	106.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Benzo(k)fluoranthene continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	112.00
08/12/92	LCS	MSD192081208590	107.00
08/12/92	LCS DUP	MSD192081208590	117.00
09/07/92	LCS	MSD292090710580	105.00
09/07/92	LCS DUP	MSD292090710580	117.00
09/21/92	LCS	MSD292092108300	102.00
09/21/92	LCS DUP	MSD292092108300	106.00
09/23/92	LCS	MSD292092314280	110.00
09/23/92	LCS DUP	MSD292092314280	113.00
10/14/92	LCS	MSD292101408230	104.00
10/14/92	LCS DUP	MSD292101408170	106.00
08/29/92	LCS	MSD192082911430	107.00
08/29/92	LCS DUP	MSD192082911430	114.00
08/31/92	LCS	MSD192083108300	106.00
08/31/92	LCS DUP	MSD192083108300	106.00
09/10/92	LCS DUP	MSD192091008420	135.00
09/10/92	LCS	MSD192091008420	113.00
09/10/92	LCS DUP	MSD192091008420	121.00
09/10/92	LCS	MSD192091008420	119.00
09/14/92	LCS	MSD192091409020	89.00
09/14/92	LCS DUP	MSD192091409020	102.00
09/16/92	LCS	MSD192091609020	110.00
09/16/92	LCS DUP	MSD192091609020	101.00
09/23/92	LCS	MSD192092309080	108.00
09/23/92	LCS DUP	MSD192092309080	107.00
10/23/92	LCS	MSD292102308460	107.00
10/23/92	LCS DUP	MSD292102308460	97.00
10/14/92	LCS	MSD192101413560	100.00
10/14/92	LCS DUP	MSD192101413560	119.00
10/16/92	LCS	MSD192101609100	104.00
10/16/92	LCS DUP	MSD192101609100	96.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 104.2	Above acceptance :	0
Standard Deviation	: 12.74	Acceptance Criteria	11-162

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Benzoic acid			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	41.00
07/23/92	LCS DUP	MSD292072310280	72.00
08/05/92	LCS	MSD292080508200	82.00
08/05/92	LCS DUP	MSD292080508200	60.00
08/06/92	LCS	MSD292080608290	83.00
08/06/92	LCS DUP	MSD292080608290	101.00
08/09/92	LCS	MSD292080810200	50.00
08/09/92	LCS DUP	MSD292080810200	54.00
08/10/92	LCS	MSD292081008350	34.00
08/10/92	LCS DUP	MSD292081008350	36.00
08/11/92	LCS	MSD292081108220	97.00
08/11/92	LCS DUP	MSD292081108220	111.00
08/17/92	LCS	MSD292081714490	74.00
08/17/92	LCS DUP	MSD292081714490	88.00
08/18/92	LCS	MSD292081808190	14.00
08/18/92	LCS DUP	MSD292081808190	19.00
08/22/92	LCS	MSD292082210460	86.00
08/22/92	LCS DUP	MSD292082210460	92.00
08/24/92	LCS	MSD292082408180	76.00
08/24/92	LCS DUP	MSD292082408180	60.00
08/12/92	LCS	MSD192081208590	91.00
08/12/92	LCS DUP	MSD192081208590	94.00
09/07/92	LCS	MSD292090710580	87.00
09/07/92	LCS DUP	MSD292090710580	82.00
09/21/92	LCS	MSD292092108300	118.00
09/21/92	LCS DUP	MSD292092108300	112.00
09/23/92	LCS	MSD292092314280	32.00
09/23/92	LCS DUP	MSD292092314280	32.00
10/14/92	LCS	MSD292101408230	118.00
10/14/92	LCS DUP	MSD292101408170	95.00
08/29/92	LCS	MSD192082911430	71.00
08/29/92	LCS DUP	MSD192082911430	48.00
08/31/92	LCS	MSD192083108300	50.00
08/31/92	LCS DUP	MSD192083108300	50.00
09/10/92	LCS DUP	MSD192091008420	27.00
09/10/92	LCS	MSD192091008420	75.00
09/10/92	LCS DUP	MSD192091008420	45.00
09/10/92	LCS	MSD192091008420	59.00
09/14/92	LCS	MSD192091409020	27.00
09/14/92	LCS DUP	MSD192091409020	32.00
09/16/92	LCS	MSD192091609020	108.00
09/16/92	LCS DUP	MSD192091609020	109.00
09/23/92	LCS	MSD192092309080	92.00
09/23/92	LCS DUP	MSD192092309080	94.00
10/23/92	LCS	MSD292102308460	157.00
10/23/92	LCS DUP	MSD292102308460	146.00
10/14/92	LCS	MSD192101413560	0.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Benzoic acid continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	0.00
10/16/92	LCS	MSD192101609100	77.00
10/16/92	LCS DUP	MSD192101609100	93.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 71.0	Above acceptance :	0
Standard Deviation	: 35.26	Acceptance Criteria	NS
Method : SW8270			
Spiked Analyte : Benzyl alcohol			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	107.00
07/23/92	LCS DUP	MSD292072310280	105.00
08/05/92	LCS	MSD292080508200	103.00
08/05/92	LCS DUP	MSD292080508200	93.00
08/06/92	LCS	MSD292080608290	101.00
08/06/92	LCS DUP	MSD292080608290	105.00
08/09/92	LCS	MSD292080810200	109.00
08/09/92	LCS DUP	MSD292080810200	112.00
08/10/92	LCS	MSD292081008350	101.00
08/10/92	LCS DUP	MSD292081008350	96.00
08/11/92	LCS	MSD292081108220	107.00
08/11/92	LCS DUP	MSD292081108220	110.00
08/17/92	LCS	MSD292081714490	95.00
08/17/92	LCS DUP	MSD292081714490	95.00
08/18/92	LCS	MSD292081808190	89.00
08/18/92	LCS DUP	MSD292081808190	95.00
08/22/92	LCS	MSD292082210460	102.00
08/22/92	LCS DUP	MSD292082210460	102.00
08/24/92	LCS	MSD292082408180	102.00
08/24/92	LCS DUP	MSD292082408180	103.00
08/12/92	LCS	MSD192081208590	112.00
08/12/92	LCS DUP	MSD192081208590	111.00
09/07/92	LCS	MSD292090710580	97.00
09/07/92	LCS DUP	MSD292090710580	99.00
09/21/92	LCS	MSD292092108300	100.00
09/21/92	LCS DUP	MSD292092108300	103.00
09/23/92	LCS	MSD292092314280	94.00
09/23/92	LCS DUP	MSD292092314280	99.00
10/14/92	LCS	MSD292101408230	105.00
10/14/92	LCS DUP	MSD292101408170	87.00
08/29/92	LCS	MSD192082911430	120.00
08/29/92	LCS DUP	MSD192082911430	104.00
08/31/92	LCS	MSD192083108300	101.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Benzyl alcohol continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	106.00
09/10/92	LCS DUP	MSD192091008420	133.00
09/10/92	LCS	MSD192091008420	107.00
09/10/92	LCS DUP	MSD192091008420	119.00
09/10/92	LCS	MSD192091008420	139.00
09/14/92	LCS	MSD192091409020	93.00
09/14/92	LCS DUP	MSD192091409020	105.00
09/16/92	LCS	MSD192091609020	102.00
09/16/92	LCS DUP	MSD192091609020	104.00
09/23/92	LCS	MSD192092309080	119.00
09/23/92	LCS DUP	MSD192092309080	111.00
10/23/92	LCS	MSD292102308460	112.00
10/23/92	LCS DUP	MSD292102308460	103.00
10/14/92	LCS	MSD192101413560	79.00
10/14/92	LCS DUP	MSD192101413560	72.00
10/16/92	LCS	MSD192101609100	89.00
10/16/92	LCS DUP	MSD192101609100	87.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 102.9	Above acceptance :	0
Standard Deviation	: 11.59	Acceptance Criteria	NS

Method : SW8270  
Spiked Analyte : Butylbenzylphthalate

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	95.00
07/23/92	LCS DUP	MSD292072310280	95.00
08/05/92	LCS	MSD292080508200	95.00
08/05/92	LCS DUP	MSD292080508200	83.00
08/06/92	LCS	MSD292080608290	89.00
08/06/92	LCS DUP	MSD292080608290	94.00
08/09/92	LCS	MSD292080810200	94.00
08/09/92	LCS DUP	MSD292080810200	98.00
08/10/92	LCS	MSD292081008350	90.00
08/10/92	LCS DUP	MSD292081008350	90.00
08/11/92	LCS	MSD292081108220	93.00
08/11/92	LCS DUP	MSD292081108220	94.00
08/17/92	LCS	MSD292081714490	100.00
08/17/92	LCS DUP	MSD292081714490	102.00
08/18/92	LCS	MSD292081808190	108.00
08/18/92	LCS DUP	MSD292081808190	101.00
08/22/92	LCS	MSD292082210460	127.00
08/22/92	LCS DUP	MSD292082210460	126.00
08/24/92	LCS	MSD292082408180	116.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Butylbenzylphthalate continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	118.00
08/12/92	LCS	MSD192081208590	116.00
08/12/92	LCS DUP	MSD192081208590	96.00
09/07/92	LCS	MSD292090710580	126.00
09/07/92	LCS DUP	MSD292090710580	110.00
09/21/92	LCS	MSD292092108300	110.00
09/21/92	LCS DUP	MSD292092108300	116.00
09/23/92	LCS	MSD292092314280	89.00
09/23/92	LCS DUP	MSD292092314280	96.00
10/14/92	LCS	MSD292101408230	119.00
10/14/92	LCS DUP	MSD292101408170	105.00
08/29/92	LCS	MSD192082911430	97.00
08/29/92	LCS DUP	MSD192082911430	88.00
08/31/92	LCS	MSD192083108300	93.00
08/31/92	LCS DUP	MSD192083108300	100.00
09/10/92	LCS DUP	MSD192091008420	123.00
09/10/92	LCS	MSD192091008420	106.00
09/10/92	LCS DUP	MSD192091008420	95.00
09/10/92	LCS	MSD192091008420	117.00
09/14/92	LCS	MSD192091409020	95.00
09/14/92	LCS DUP	MSD192091409020	99.00
09/16/92	LCS	MSD192091609020	95.00
09/16/92	LCS DUP	MSD192091609020	86.00
09/23/92	LCS	MSD192092309080	86.00
09/23/92	LCS DUP	MSD192092309080	80.00
10/23/92	LCS	MSD292102308460	117.00
10/23/92	LCS DUP	MSD292102308460	111.00
10/14/92	LCS	MSD192101413560	105.00
10/14/92	LCS DUP	MSD192101413560	107.00
10/16/92	LCS	MSD192101609100	96.00
10/16/92	LCS DUP	MSD192101609100	90.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 101.5	Above acceptance :	0
Standard Deviation	: 12.15	Acceptance Criteria	D-152

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Chrysene			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	97.00
07/23/92	LCS DUP	MSD292072310280	95.00
08/05/92	LCS	MSD292080508200	95.00
08/05/92	LCS DUP	MSD292080508200	82.00
08/06/92	LCS	MSD292080608290	88.00
08/06/92	LCS DUP	MSD292080608290	93.00
08/09/92	LCS	MSD292080810200	92.00
08/09/92	LCS DUP	MSD292080810200	95.00
08/10/92	LCS	MSD292081008350	89.00
08/10/92	LCS DUP	MSD292081008350	88.00
08/11/92	LCS	MSD292081108220	92.00
08/11/92	LCS DUP	MSD292081108220	93.00
08/17/92	LCS	MSD292081714490	100.00
08/17/92	LCS DUP	MSD292081714490	100.00
08/18/92	LCS	MSD292081808190	98.00
08/18/92	LCS DUP	MSD292081808190	92.00
08/22/92	LCS	MSD292082210460	116.00
08/22/92	LCS DUP	MSD292082210460	113.00
08/24/92	LCS	MSD292082408180	98.00
08/24/92	LCS DUP	MSD292082408180	100.00
08/12/92	LCS	MSD192081208590	119.00
08/12/92	LCS DUP	MSD192081208590	98.00
09/07/92	LCS	MSD292090710580	101.00
09/07/92	LCS DUP	MSD292090710580	104.00
09/21/92	LCS	MSD292092108300	98.00
09/21/92	LCS DUP	MSD292092108300	104.00
09/23/92	LCS	MSD292092314280	91.00
09/23/92	LCS DUP	MSD292092314280	98.00
10/14/92	LCS	MSD292101408230	106.00
10/14/92	LCS DUP	MSD292101408170	102.00
08/29/92	LCS	MSD192082911430	102.00
08/29/92	LCS DUP	MSD192082911430	91.00
08/31/92	LCS	MSD192083108300	99.00
08/31/92	LCS DUP	MSD192083108300	109.00
09/10/92	LCS DUP	MSD192091008420	118.00
09/10/92	LCS	MSD192091008420	106.00
09/10/92	LCS DUP	MSD192091008420	95.00
09/10/92	LCS	MSD192091008420	118.00
09/14/92	LCS	MSD192091409020	97.00
09/14/92	LCS DUP	MSD192091409020	100.00
09/16/92	LCS	MSD192091609020	93.00
09/16/92	LCS DUP	MSD192091609020	92.00
09/23/92	LCS	MSD192092309080	100.00
09/23/92	LCS DUP	MSD192092309080	94.00
10/23/92	LCS	MSD292102308460	106.00
10/23/92	LCS DUP	MSD292102308460	101.00
10/14/92	LCS	MSD192101413560	98.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Chrysene continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	93.00
10/16/92	LCS	MSD192101609100	94.00
10/16/92	LCS DUP	MSD192101609100	89.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 98.6	Above acceptance :	0
Standard Deviation	: 8.15	Acceptance Criteria	17-168
Method : SW8270			
Spiked Analyte : Di-n-octylphthalate			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	95.00
07/23/92	LCS DUP	MSD292072310280	94.00
08/05/92	LCS	MSD292080508200	93.00
08/05/92	LCS DUP	MSD292080508200	83.00
08/06/92	LCS	MSD292080608290	88.00
08/06/92	LCS DUP	MSD292080608290	90.00
08/09/92	LCS	MSD292080810200	96.00
08/09/92	LCS DUP	MSD292080810200	95.00
08/10/92	LCS	MSD292081008350	89.00
08/10/92	LCS DUP	MSD292081008350	88.00
08/11/92	LCS	MSD292081108220	89.00
08/11/92	LCS DUP	MSD292081108220	90.00
08/17/92	LCS	MSD292081714490	103.00
08/17/92	LCS DUP	MSD292081714490	105.00
08/18/92	LCS	MSD292081808190	118.00
08/18/92	LCS DUP	MSD292081808190	110.00
08/22/92	LCS	MSD292082210460	144.00
08/22/92	LCS DUP	MSD292082210460	139.00
08/24/92	LCS	MSD292082408180	125.00
08/24/92	LCS DUP	MSD292082408180	137.00
08/12/92	LCS	MSD192081208590	133.00
08/12/92	LCS DUP	MSD192081208590	111.00
09/07/92	LCS	MSD292090710580	119.00
09/07/92	LCS DUP	MSD292090710580	119.00
09/21/92	LCS	MSD292092108300	121.00
09/21/92	LCS DUP	MSD292092108300	128.00
09/23/92	LCS	MSD292092314280	107.00
09/23/92	LCS DUP	MSD292092314280	107.00
10/14/92	LCS	MSD292101408230	132.00
10/14/92	LCS DUP	MSD292101408170	117.00
08/29/92	LCS	MSD192082911430	108.00
08/29/92	LCS DUP	MSD192082911430	102.00
08/31/92	LCS	MSD192083108300	104.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Di-n-octylphthalate continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	106.00
09/10/92	LCS DUP	MSD192091008420	135.00
09/10/92	LCS	MSD192091008420	115.00
09/10/92	LCS DUP	MSD192091008420	117.00
09/10/92	LCS	MSD192091008420	129.00
09/14/92	LCS	MSD192091409020	111.00
09/14/92	LCS DUP	MSD192091409020	114.00
09/16/92	LCS	MSD192091609020	120.00
09/16/92	LCS DUP	MSD192091609020	108.00
09/23/92	LCS	MSD192092309080	104.00
09/23/92	LCS DUP	MSD192092309080	93.00
10/23/92	LCS	MSD292102308460	114.00
10/23/92	LCS DUP	MSD292102308460	111.00
10/14/92	LCS	MSD192101413560	104.00
10/14/92	LCS DUP	MSD192101413560	108.00
10/16/92	LCS	MSD192101609100	106.00
10/16/92	LCS DUP	MSD192101609100	96.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 109.4	Above acceptance :	0
Standard Deviation	: 15.13	Acceptance Criteria	4-146

Method : SW8270  
Spiked Analyte : Dibenz(a,h)anthracene

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	90.00
07/23/92	LCS DUP	MSD292072310280	89.00
08/05/92	LCS	MSD292080508200	84.00
08/05/92	LCS DUP	MSD292080508200	72.00
08/06/92	LCS	MSD292080608290	88.00
08/06/92	LCS DUP	MSD292080608290	90.00
08/09/92	LCS	MSD292080810200	83.00
08/09/92	LCS DUP	MSD292080810200	84.00
08/10/92	LCS	MSD292081008350	95.00
08/10/92	LCS DUP	MSD292081008350	94.00
08/11/92	LCS	MSD292081108220	99.00
08/11/92	LCS DUP	MSD292081108220	100.00
08/17/92	LCS	MSD292081714490	83.00
08/17/92	LCS DUP	MSD292081714490	83.00
08/18/92	LCS	MSD292081808190	70.00
08/18/92	LCS DUP	MSD292081808190	67.00
08/22/92	LCS	MSD292082210460	119.00
08/22/92	LCS DUP	MSD292082210460	114.00
08/24/92	LCS	MSD292082408180	85.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Dibenz(a,h)anthracene continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	92.00
08/12/92	LCS	MSD192081208590	116.00
08/12/92	LCS DUP	MSD192081208590	96.00
09/07/92	LCS	MSD292090710580	98.00
09/07/92	LCS DUP	MSD292090710580	104.00
09/21/92	LCS	MSD292092108300	99.00
09/21/92	LCS DUP	MSD292092108300	106.00
09/23/92	LCS	MSD292092314280	59.00
09/23/92	LCS DUP	MSD292092314280	61.00
10/14/92	LCS	MSD292101408230	88.00
10/14/92	LCS DUP	MSD292101408170	87.00
08/29/92	LCS	MSD192082911430	90.00
08/29/92	LCS DUP	MSD192082911430	85.00
08/31/92	LCS	MSD192083108300	82.00
08/31/92	LCS DUP	MSD192083108300	87.00
09/10/92	LCS DUP	MSD192091008420	109.00
09/10/92	LCS	MSD192091008420	91.00
09/10/92	LCS DUP	MSD192091008420	88.00
09/10/92	LCS	MSD192091008420	102.00
09/14/92	LCS	MSD192091409020	82.00
09/14/92	LCS DUP	MSD192091409020	84.00
09/16/92	LCS	MSD192091609020	86.00
09/16/92	LCS DUP	MSD192091609020	80.00
09/23/92	LCS	MSD192092309080	94.00
09/23/92	LCS DUP	MSD192092309080	86.00
10/23/92	LCS	MSD292102308460	113.00
10/23/92	LCS DUP	MSD292102308460	100.00
10/14/92	LCS	MSD192101413560	85.00
10/14/92	LCS DUP	MSD192101413560	84.00
10/16/92	LCS	MSD192101609100	94.00
10/16/92	LCS DUP	MSD192101609100	82.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 90.0	Above acceptance :	0
Standard Deviation	: 12.69	Acceptance Criteria	D-227

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Dibenzofuran			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	102.00
07/23/92	LCS DUP	MSD292072310280	99.00
08/05/92	LCS	MSD292080508200	103.00
08/05/92	LCS DUP	MSD292080508200	90.00
08/06/92	LCS	MSD292080608290	102.00
08/06/92	LCS DUP	MSD292080608290	104.00
08/09/92	LCS	MSD292080810200	106.00
08/09/92	LCS DUP	MSD292080810200	108.00
08/10/92	LCS	MSD292081008350	102.00
08/10/92	LCS DUP	MSD292081008350	98.00
08/11/92	LCS	MSD292081108220	106.00
08/11/92	LCS DUP	MSD292081108220	108.00
08/17/92	LCS	MSD292081714490	97.00
08/17/92	LCS DUP	MSD292081714490	97.00
08/18/92	LCS	MSD292081808190	98.00
08/18/92	LCS DUP	MSD292081808190	94.00
08/22/92	LCS	MSD292082210460	105.00
08/22/92	LCS DUP	MSD292082210460	106.00
08/24/92	LCS	MSD292082408180	95.00
08/24/92	LCS DUP	MSD292082408180	100.00
08/12/92	LCS	MSD192081208590	97.00
08/12/92	LCS DUP	MSD192081208590	96.00
09/07/92	LCS	MSD292090710580	100.00
09/07/92	LCS DUP	MSD292090710580	104.00
09/21/92	LCS	MSD292092108300	94.00
09/21/92	LCS DUP	MSD292092108300	98.00
09/23/92	LCS	MSD292092314280	95.00
09/23/92	LCS DUP	MSD292092314280	99.00
10/14/92	LCS	MSD292101408230	100.00
10/14/92	LCS DUP	MSD292101408170	91.00
08/29/92	LCS	MSD192082911430	98.00
08/29/92	LCS DUP	MSD192082911430	98.00
08/31/92	LCS	MSD192083108300	84.00
08/31/92	LCS DUP	MSD192083108300	92.00
09/10/92	LCS DUP	MSD192091008420	118.00
09/10/92	LCS	MSD192091008420	101.00
09/10/92	LCS DUP	MSD192091008420	101.00
09/10/92	LCS	MSD192091008420	114.00
09/14/92	LCS	MSD192091409020	91.00
09/14/92	LCS DUP	MSD192091409020	91.00
09/16/92	LCS	MSD192091609020	94.00
09/16/92	LCS DUP	MSD192091609020	92.00
09/23/92	LCS	MSD192092309080	103.00
09/23/92	LCS DUP	MSD192092309080	98.00
10/23/92	LCS	MSD292102308460	98.00
10/23/92	LCS DUP	MSD292102308460	94.00
10/14/92	LCS	MSD192101413560	89.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Dibenzofuran continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	88.00
10/16/92	LCS	MSD192101609100	96.00
10/16/92	LCS DUP	MSD192101609100	91.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 98.5	Above acceptance :	0
Standard Deviation	: 6.53	Acceptance Criteria	NS
Method : SW8270			
Spiked Analyte : Dibutylphthalate			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	101.00
07/23/92	LCS DUP	MSD292072310280	97.00
08/05/92	LCS	MSD292080508200	98.00
08/05/92	LCS DUP	MSD292080508200	86.00
08/06/92	LCS	MSD292080608290	92.00
08/06/92	LCS DUP	MSD292080608290	92.00
08/09/92	LCS	MSD292080810200	99.00
08/09/92	LCS DUP	MSD292080810200	97.00
08/10/92	LCS	MSD292081008350	97.00
08/10/92	LCS DUP	MSD292081008350	96.00
08/11/92	LCS	MSD292081108220	96.00
08/11/92	LCS DUP	MSD292081108220	96.00
08/17/92	LCS	MSD292081714490	99.00
08/17/92	LCS DUP	MSD292081714490	100.00
08/18/92	LCS	MSD292081808190	107.00
08/18/92	LCS DUP	MSD292081808190	101.00
08/22/92	LCS	MSD292082210460	113.00
08/22/92	LCS DUP	MSD292082210460	114.00
08/24/92	LCS	MSD292082408180	107.00
08/24/92	LCS DUP	MSD292082408180	114.00
08/12/92	LCS	MSD192081208590	102.00
08/12/92	LCS DUP	MSD192081208590	100.00
09/07/92	LCS	MSD292090710580	111.00
09/07/92	LCS DUP	MSD292090710580	113.00
09/21/92	LCS	MSD292092108300	109.00
09/21/92	LCS DUP	MSD292092108300	113.00
09/23/92	LCS	MSD292092314280	98.00
09/23/92	LCS DUP	MSD292092314280	111.00
10/14/92	LCS	MSD292101408230	105.00
10/14/92	LCS DUP	MSD292101408170	103.00
08/29/92	LCS	MSD192082911430	102.00
08/29/92	LCS DUP	MSD192082911430	98.00
08/31/92	LCS	MSD192083108300	88.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Dibutylphthalate continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	93.00
09/10/92	LCS DUP	MSD192091008420	121.00
09/10/92	LCS	MSD192091008420	104.00
09/10/92	LCS DUP	MSD192091008420	102.00
09/10/92	LCS	MSD192091008420	115.00
09/14/92	LCS	MSD192091409020	95.00
09/14/92	LCS DUP	MSD192091409020	100.00
09/16/92	LCS	MSD192091609020	100.00
09/16/92	LCS DUP	MSD192091609020	92.00
09/23/92	LCS	MSD192092309080	94.00
09/23/92	LCS DUP	MSD192092309080	88.00
10/23/92	LCS	MSD292102308460	116.00
10/23/92	LCS DUP	MSD292102308460	110.00
10/14/92	LCS	MSD192101413560	92.00
10/14/92	LCS DUP	MSD192101413560	98.00
10/16/92	LCS	MSD192101609100	96.00
10/16/92	LCS DUP	MSD192101609100	92.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 101.3	Above acceptance :	1
Standard Deviation	: 8.27	Acceptance Criteria	1-118

Method : SW8270  
 Spiked Analyte : Diethylphthalate  
 Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	102.00
07/23/92	LCS DUP	MSD292072310280	100.00
08/05/92	LCS	MSD292080508200	104.00
08/05/92	LCS DUP	MSD292080508200	90.00
08/06/92	LCS	MSD292080608290	102.00
08/06/92	LCS DUP	MSD292080608290	104.00
08/09/92	LCS	MSD292080810200	106.00
08/09/92	LCS DUP	MSD292080810200	108.00
08/10/92	LCS	MSD292081008350	104.00
08/10/92	LCS DUP	MSD292081008350	100.00
08/11/92	LCS	MSD292081108220	106.00
08/11/92	LCS DUP	MSD292081108220	108.00
08/17/92	LCS	MSD292081714490	100.00
08/17/92	LCS DUP	MSD292081714490	101.00
08/18/92	LCS	MSD292081808190	104.00
08/18/92	LCS DUP	MSD292081808190	98.00
08/22/92	LCS	MSD292082210460	112.00
08/22/92	LCS DUP	MSD292082210460	112.00
08/24/92	LCS	MSD292082408180	103.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Diethylphthalate continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	110.00
08/12/92	LCS	MSD192081208590	116.00
08/12/92	LCS DUP	MSD192081208590	116.00
09/07/92	LCS	MSD292090710580	107.00
09/07/92	LCS DUP	MSD292090710580	111.00
09/21/92	LCS	MSD292092108300	101.00
09/21/92	LCS DUP	MSD292092108300	105.00
09/23/92	LCS	MSD292092314280	95.00
09/23/92	LCS DUP	MSD292092314280	94.00
10/14/92	LCS	MSD292101408230	99.00
10/14/92	LCS DUP	MSD292101408170	95.00
08/29/92	LCS	MSD192082911430	113.00
08/29/92	LCS DUP	MSD192082911430	115.00
08/31/92	LCS	MSD192083108300	102.00
08/31/92	LCS DUP	MSD192083108300	108.00
09/10/92	LCS DUP	MSD192091008420	135.00
09/10/92	LCS	MSD192091008420	115.00
09/10/92	LCS DUP	MSD192091008420	114.00
09/10/92	LCS	MSD192091008420	127.00
09/14/92	LCS	MSD192091409020	106.00
09/14/92	LCS DUP	MSD192091409020	106.00
09/16/92	LCS	MSD192091609020	108.00
09/16/92	LCS DUP	MSD192091609020	100.00
09/23/92	LCS	MSD192092309080	109.00
09/23/92	LCS DUP	MSD192092309080	102.00
10/23/92	LCS	MSD292102308460	111.00
10/23/92	LCS DUP	MSD292102308460	107.00
10/14/92	LCS	MSD192101413560	113.00
10/14/92	LCS DUP	MSD192101413560	111.00
10/16/92	LCS	MSD192101609100	111.00
10/16/92	LCS DUP	MSD192101609100	105.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 106.6	Above acceptance :	6
Standard Deviation	: 7.88	Acceptance Criteria	D-114

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Dimethylphthalate			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	94.00
07/23/92	LCS DUP	MSD292072310280	90.00
08/05/92	LCS	MSD292080508200	95.00
08/05/92	LCS DUP	MSD292080508200	84.00
08/06/92	LCS	MSD292080608290	94.00
08/06/92	LCS DUP	MSD292080608290	96.00
08/09/92	LCS	MSD292080810200	100.00
08/09/92	LCS DUP	MSD292080810200	102.00
08/10/92	LCS	MSD292081008350	99.00
08/10/92	LCS DUP	MSD292081008350	95.00
08/11/92	LCS	MSD292081108220	101.00
08/11/92	LCS DUP	MSD292081108220	102.00
08/17/92	LCS	MSD292081714490	98.00
08/17/92	LCS DUP	MSD292081714490	98.00
08/18/92	LCS	MSD292081808190	102.00
08/18/92	LCS DUP	MSD292081808190	97.00
08/22/92	LCS	MSD292082210460	106.00
08/22/92	LCS DUP	MSD292082210460	108.00
08/24/92	LCS	MSD292082408180	98.00
08/24/92	LCS DUP	MSD292082408180	104.00
08/12/92	LCS	MSD192081208590	106.00
08/12/92	LCS DUP	MSD192081208590	108.00
09/07/92	LCS	MSD292090710580	102.00
09/07/92	LCS DUP	MSD292090710580	107.00
09/21/92	LCS	MSD292092108300	96.00
09/21/92	LCS DUP	MSD292092108300	102.00
09/23/92	LCS	MSD292092314280	96.00
09/23/92	LCS DUP	MSD292092314280	98.00
10/14/92	LCS	MSD292101408230	96.00
10/14/92	LCS DUP	MSD292101408170	95.00
08/29/92	LCS	MSD192082911430	106.00
08/29/92	LCS DUP	MSD192082911430	106.00
08/31/92	LCS	MSD192083108300	91.00
08/31/92	LCS DUP	MSD192083108300	98.00
09/10/92	LCS DUP	MSD192091008420	129.00
09/10/92	LCS	MSD192091008420	108.00
09/10/92	LCS DUP	MSD192091008420	105.00
09/10/92	LCS	MSD192091008420	123.00
09/14/92	LCS	MSD192091409020	97.00
09/14/92	LCS DUP	MSD192091409020	101.00
09/16/92	LCS	MSD192091609020	100.00
09/16/92	LCS DUP	MSD192091609020	97.00
09/23/92	LCS	MSD192092309080	102.00
09/23/92	LCS DUP	MSD192092309080	100.00
10/23/92	LCS	MSD292102308460	105.00
10/23/92	LCS DUP	MSD292102308460	100.00
10/14/92	LCS	MSD192101413560	98.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Dimethylphthalate continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	98.00
10/16/92	LCS	MSD192101609100	99.00
10/16/92	LCS DUP	MSD192101609100	93.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 100.5	Above acceptance :	2
Standard Deviation	: 7.27	Acceptance Criteria	D-112
Method : SW8270			
Spiked Analyte : Fluoranthene			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	97.00
07/23/92	LCS DUP	MSD292072310280	93.00
08/05/92	LCS	MSD292080508200	94.00
08/05/92	LCS DUP	MSD292080508200	81.00
08/06/92	LCS	MSD292080608290	90.00
08/06/92	LCS DUP	MSD292080608290	93.00
08/09/92	LCS	MSD292080810200	96.00
08/09/92	LCS DUP	MSD292080810200	97.00
08/10/92	LCS	MSD292081008350	93.00
08/10/92	LCS DUP	MSD292081008350	92.00
08/11/92	LCS	MSD292081108220	94.00
08/11/92	LCS DUP	MSD292081108220	94.00
08/17/92	LCS	MSD292081714490	92.00
08/17/92	LCS DUP	MSD292081714490	94.00
08/18/92	LCS	MSD292081808190	99.00
08/18/92	LCS DUP	MSD292081808190	94.00
08/22/92	LCS	MSD292082210460	99.00
08/22/92	LCS DUP	MSD292082210460	98.00
08/24/92	LCS	MSD292082408180	90.00
08/24/92	LCS DUP	MSD292082408180	97.00
08/12/92	LCS	MSD192081208590	96.00
08/12/92	LCS DUP	MSD192081208590	94.00
09/07/92	LCS	MSD292090710580	101.00
09/07/92	LCS DUP	MSD292090710580	103.00
09/21/92	LCS	MSD292092108300	94.00
09/21/92	LCS DUP	MSD292092108300	97.00
09/23/92	LCS	MSD292092314280	82.00
09/23/92	LCS DUP	MSD292092314280	112.00
10/14/92	LCS	MSD292101408230	92.00
10/14/92	LCS DUP	MSD292101408170	90.00
08/29/92	LCS	MSD192082911430	96.00
08/29/92	LCS DUP	MSD192082911430	92.00
08/31/92	LCS	MSD192083108300	81.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Fluoranthene continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	101.00
09/10/92	LCS DUP	MSD192091008420	107.00
09/10/92	LCS	MSD192091008420	93.00
09/10/92	LCS DUP	MSD192091008420	91.00
09/10/92	LCS	MSD192091008420	106.00
09/14/92	LCS	MSD192091409020	82.00
09/14/92	LCS DUP	MSD192091409020	88.00
09/16/92	LCS	MSD192091609020	84.00
09/16/92	LCS DUP	MSD192091609020	85.00
09/23/92	LCS	MSD192092309080	90.00
09/23/92	LCS DUP	MSD192092309080	88.00
10/23/92	LCS	MSD292102308460	100.00
10/23/92	LCS DUP	MSD292102308460	94.00
10/14/92	LCS	MSD192101413560	82.00
10/14/92	LCS DUP	MSD192101413560	84.00
10/16/92	LCS	MSD192101609100	88.00
10/16/92	LCS DUP	MSD192101609100	80.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 93.0	Above acceptance :	0
Standard Deviation	: 6.95	Acceptance Criteria	26-137

Method : SW8270  
 Spiked Analyte : Fluorene  
 Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	88.00
07/23/92	LCS DUP	MSD292072310280	85.00
08/05/92	LCS	MSD292080508200	88.00
08/05/92	LCS DUP	MSD292080508200	76.00
08/06/92	LCS	MSD292080608290	87.00
08/06/92	LCS DUP	MSD292080608290	89.00
08/09/92	LCS	MSD292080810200	90.00
08/09/92	LCS DUP	MSD292080810200	91.00
08/10/92	LCS	MSD292081008350	87.00
08/10/92	LCS DUP	MSD292081008350	83.00
08/11/92	LCS	MSD292081108220	91.00
08/11/92	LCS DUP	MSD292081108220	92.00
08/17/92	LCS	MSD292081714490	84.00
08/17/92	LCS DUP	MSD292081714490	84.00
08/18/92	LCS	MSD292081808190	86.00
08/18/92	LCS DUP	MSD292081808190	82.00
08/22/92	LCS	MSD292082210460	91.00
08/22/92	LCS DUP	MSD292082210460	92.00
08/24/92	LCS	MSD292082408180	83.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Fluorene continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	89.00
08/12/92	LCS	MSD192081208590	90.00
08/12/92	LCS DUP	MSD192081208590	93.00
09/07/92	LCS	MSD292090710580	90.00
09/07/92	LCS DUP	MSD292090710580	90.00
09/21/92	LCS	MSD292092108300	82.00
09/21/92	LCS DUP	MSD292092108300	85.00
09/23/92	LCS	MSD292092314280	81.00
09/23/92	LCS DUP	MSD292092314280	89.00
10/14/92	LCS	MSD292101408230	82.00
10/14/92	LCS DUP	MSD292101408170	79.00
08/29/92	LCS	MSD192082911430	92.00
08/29/92	LCS DUP	MSD192082911430	94.00
08/31/92	LCS	MSD192083108300	83.00
08/31/92	LCS DUP	MSD192083108300	92.00
09/10/92	LCS DUP	MSD192091008420	113.00
09/10/92	LCS	MSD192091008420	97.00
09/10/92	LCS DUP	MSD192091008420	97.00
09/10/92	LCS	MSD192091008420	106.00
09/14/92	LCS	MSD192091409020	91.00
09/14/92	LCS DUP	MSD192091409020	87.00
09/16/92	LCS	MSD192091609020	95.00
09/16/92	LCS DUP	MSD192091609020	86.00
09/23/92	LCS	MSD192092309080	101.00
09/23/92	LCS DUP	MSD192092309080	94.00
10/23/92	LCS	MSD292102308460	84.00
10/23/92	LCS DUP	MSD292102308460	81.00
10/14/92	LCS	MSD192101413560	88.00
10/14/92	LCS DUP	MSD192101413560	87.00
10/16/92	LCS	MSD192101609100	92.00
10/16/92	LCS DUP	MSD192101609100	85.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 88.9	Above acceptance :	0
Standard Deviation	: 6.57	Acceptance Criteria	59-121

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Hexachlorobenzene			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	109.00
07/23/92	LCS DUP	MSD292072310280	106.00
08/05/92	LCS	MSD292080508200	113.00
08/05/92	LCS DUP	MSD292080508200	100.00
08/06/92	LCS	MSD292080608290	108.00
08/06/92	LCS DUP	MSD292080608290	112.00
08/09/92	LCS	MSD292080810200	118.00
08/09/92	LCS DUP	MSD292080810200	120.00
08/10/92	LCS	MSD292081008350	116.00
08/10/92	LCS DUP	MSD292081008350	115.00
08/11/92	LCS	MSD292081108220	115.00
08/11/92	LCS DUP	MSD292081108220	117.00
08/17/92	LCS	MSD292081714490	101.00
08/17/92	LCS DUP	MSD292081714490	103.00
08/18/92	LCS	MSD292081808190	103.00
08/18/92	LCS DUP	MSD292081808190	96.00
08/22/92	LCS	MSD292082210460	98.00
08/22/92	LCS DUP	MSD292082210460	98.00
08/24/92	LCS	MSD292082408180	85.00
08/24/92	LCS DUP	MSD292082408180	91.00
08/12/92	LCS	MSD192081208590	84.00
08/12/92	LCS DUP	MSD192081208590	84.00
09/07/92	LCS	MSD292090710580	99.00
09/07/92	LCS DUP	MSD292090710580	105.00
09/21/92	LCS	MSD292092108300	86.00
09/21/92	LCS DUP	MSD292092108300	91.00
09/23/92	LCS	MSD292092314280	111.00
09/23/92	LCS DUP	MSD292092314280	101.00
10/14/92	LCS	MSD292101408230	86.00
10/14/92	LCS DUP	MSD292101408170	79.00
08/29/92	LCS	MSD192082911430	83.00
08/29/92	LCS DUP	MSD192082911430	82.00
08/31/92	LCS	MSD192083108300	71.00
08/31/92	LCS DUP	MSD192083108300	79.00
09/10/92	LCS DUP	MSD192091008420	96.00
09/10/92	LCS	MSD192091008420	81.00
09/10/92	LCS DUP	MSD192091008420	82.00
09/10/92	LCS	MSD192091008420	96.00
09/14/92	LCS	MSD192091409020	74.00
09/14/92	LCS DUP	MSD192091409020	82.00
09/16/92	LCS	MSD192091609020	79.00
09/16/92	LCS DUP	MSD192091609020	75.00
09/23/92	LCS	MSD192092309080	87.00
09/23/92	LCS DUP	MSD192092309080	82.00
10/23/92	LCS	MSD292102308460	100.00
10/23/92	LCS DUP	MSD292102308460	94.00
10/14/92	LCS	MSD192101413560	70.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Hexachlorobenzene continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	70.00
10/16/92	LCS	MSD192101609100	86.00
10/16/92	LCS DUP	MSD192101609100	72.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 93.8	Above acceptance :	0
Standard Deviation	: 14.44	Acceptance Criteria	D-152
Method : SW8270			
Spiked Analyte : Hexachlorobutadiene			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	83.00
07/23/92	LCS DUP	MSD292072310280	79.00
08/05/92	LCS	MSD292080508200	84.00
08/05/92	LCS DUP	MSD292080508200	75.00
08/06/92	LCS	MSD292080608290	80.00
08/06/92	LCS DUP	MSD292080608290	84.00
08/09/92	LCS	MSD292080810200	88.00
08/09/92	LCS DUP	MSD292080810200	90.00
08/10/92	LCS	MSD292081008350	80.00
08/10/92	LCS DUP	MSD292081008350	76.00
08/11/92	LCS	MSD292081108220	86.00
08/11/92	LCS DUP	MSD292081108220	89.00
08/17/92	LCS	MSD292081714490	89.00
08/17/92	LCS DUP	MSD292081714490	92.00
08/18/92	LCS	MSD292081808190	64.00
08/18/92	LCS DUP	MSD292081808190	88.00
08/22/92	LCS	MSD292082210460	96.00
08/22/92	LCS DUP	MSD292082210460	94.00
08/24/92	LCS	MSD292082408180	80.00
08/24/92	LCS DUP	MSD292082408180	82.00
08/12/92	LCS	MSD192081208590	97.00
08/12/92	LCS DUP	MSD192081208590	99.00
09/07/92	LCS	MSD292090710580	95.00
09/07/92	LCS DUP	MSD292090710580	99.00
09/21/92	LCS	MSD292092108300	84.00
09/21/92	LCS DUP	MSD292092108300	86.00
09/23/92	LCS	MSD292092314280	94.00
09/23/92	LCS DUP	MSD292092314280	99.00
10/14/92	LCS	MSD292101408230	83.00
10/14/92	LCS DUP	MSD292101408170	71.00
08/29/92	LCS	MSD192082911430	93.00
08/29/92	LCS DUP	MSD192082911430	84.00
08/31/92	LCS	MSD192083108300	77.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Hexachlorobutadiene continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	86.00
09/10/92	LCS DUP	MSD192091008420	99.00
09/10/92	LCS	MSD192091008420	81.00
09/10/92	LCS DUP	MSD192091008420	84.00
09/10/92	LCS	MSD192091008420	100.00
09/14/92	LCS	MSD192091409020	80.00
09/14/92	LCS DUP	MSD192091409020	88.00
09/16/92	LCS	MSD192091609020	76.00
09/16/92	LCS DUP	MSD192091609020	75.00
09/23/92	LCS	MSD192092309080	94.00
09/23/92	LCS DUP	MSD192092309080	92.00
10/23/92	LCS	MSD292102308460	103.00
10/23/92	LCS DUP	MSD292102308460	95.00
10/14/92	LCS	MSD192101413560	37.00
10/14/92	LCS DUP	MSD192101413560	35.00
10/16/92	LCS	MSD192101609100	97.00
10/16/92	LCS DUP	MSD192101609100	89.00

-----

Number of Samples : 50  
Mean % Recovery : 85.0  
Standard Deviation : 13.16

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria 24-116

Method : SW8270  
Spiked Analyte : Hexachlorocyclopentadiene

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	13.00
07/23/92	LCS DUP	MSD292072310280	7.00
08/05/92	LCS	MSD292080508200	9.00
08/05/92	LCS DUP	MSD292080508200	10.00
08/06/92	LCS	MSD292080608290	7.00
08/06/92	LCS DUP	MSD292080608290	4.00
08/09/92	LCS	MSD292080810200	36.00
08/09/92	LCS DUP	MSD292080810200	38.00
08/10/92	LCS	MSD292081008350	22.00
08/10/92	LCS DUP	MSD292081008350	17.00
08/11/92	LCS	MSD292081108220	19.00
08/11/92	LCS DUP	MSD292081108220	22.00
08/17/92	LCS	MSD292081714490	16.00
08/17/92	LCS DUP	MSD292081714490	14.00
08/18/92	LCS	MSD292081808190	95.00
08/18/92	LCS DUP	MSD292081808190	104.00
08/22/92	LCS	MSD292082210460	33.00
08/22/92	LCS DUP	MSD292082210460	29.00
08/24/92	LCS	MSD292082408180	9.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Hexachlorocyclopentadiene continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	7.00
08/12/92	LCS	MSD192081208590	18.00
08/12/92	LCS DUP	MSD192081208590	17.00
09/07/92	LCS	MSD292090710580	26.00
09/07/92	LCS DUP	MSD292090710580	31.00
09/21/92	LCS	MSD292092108300	3.00
09/21/92	LCS DUP	MSD292092108300	4.00
09/23/92	LCS	MSD292092314280	22.00
09/23/92	LCS DUP	MSD292092314280	26.00
10/14/92	LCS	MSD292101408230	44.00
10/14/92	LCS DUP	MSD292101408170	51.00
08/29/92	LCS	MSD192082911430	26.00
08/29/92	LCS DUP	MSD192082911430	11.00
08/31/92	LCS	MSD192083108300	19.00
08/31/92	LCS DUP	MSD192083108300	0.00
09/10/92	LCS DUP	MSD192091008420	22.00
09/10/92	LCS	MSD192091008420	17.00
09/10/92	LCS DUP	MSD192091008420	23.00
09/10/92	LCS	MSD192091008420	0.00
09/14/92	LCS	MSD192091409020	74.00
09/14/92	LCS DUP	MSD192091409020	95.00
09/16/92	LCS	MSD192091609020	191.00
09/16/92	LCS DUP	MSD192091609020	185.00
09/23/92	LCS	MSD192092309080	13.00
09/23/92	LCS DUP	MSD192092309080	12.00
10/23/92	LCS	MSD292102308460	6.00
10/23/92	LCS DUP	MSD292102308460	9.00
10/14/92	LCS	MSD192101413560	129.00
10/14/92	LCS DUP	MSD192101413560	75.00
10/16/92	LCS	MSD192101609100	20.00
10/16/92	LCS DUP	MSD192101609100	9.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 33.8	Above acceptance :	0
Standard Deviation	: 42.60	Acceptance Criteria	NS

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Hexachloroethane			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	94.00
07/23/92	LCS DUP	MSD292072310280	90.00
08/05/92	LCS	MSD292080508200	91.00
08/05/92	LCS DUP	MSD292080508200	80.00
08/06/92	LCS	MSD292080608290	87.00
08/06/92	LCS DUP	MSD292080608290	90.00
08/09/92	LCS	MSD292080810200	90.00
08/09/92	LCS DUP	MSD292080810200	95.00
08/10/92	LCS	MSD292081008350	79.00
08/10/92	LCS DUP	MSD292081008350	74.00
08/11/92	LCS	MSD292081108220	93.00
08/11/92	LCS DUP	MSD292081108220	94.00
08/17/92	LCS	MSD292081714490	89.00
08/17/92	LCS DUP	MSD292081714490	93.00
08/18/92	LCS	MSD292081808190	35.00
08/18/92	LCS DUP	MSD292081808190	89.00
08/22/92	LCS	MSD292082210460	107.00
08/22/92	LCS DUP	MSD292082210460	108.00
08/24/92	LCS	MSD292082408180	97.00
08/24/92	LCS DUP	MSD292082408180	97.00
08/12/92	LCS	MSD192081208590	107.00
08/12/92	LCS DUP	MSD192081208590	108.00
09/07/92	LCS	MSD292090710580	101.00
09/07/92	LCS DUP	MSD292090710580	104.00
09/21/92	LCS	MSD292092108300	100.00
09/21/92	LCS DUP	MSD292092108300	104.00
09/23/92	LCS	MSD292092314280	93.00
09/23/92	LCS DUP	MSD292092314280	98.00
10/14/92	LCS	MSD292101408230	103.00
10/14/92	LCS DUP	MSD292101408170	75.00
08/29/92	LCS	MSD192082911430	112.00
08/29/92	LCS DUP	MSD192082911430	101.00
08/31/92	LCS	MSD192083108300	98.00
08/31/92	LCS DUP	MSD192083108300	98.00
09/10/92	LCS DUP	MSD192091008420	120.00
09/10/92	LCS	MSD192091008420	101.00
09/10/92	LCS DUP	MSD192091008420	108.00
09/10/92	LCS	MSD192091008420	117.00
09/14/92	LCS	MSD192091409020	98.00
09/14/92	LCS DUP	MSD192091409020	95.00
09/16/92	LCS	MSD192091609020	93.00
09/16/92	LCS DUP	MSD192091609020	93.00
09/23/92	LCS	MSD192092309080	105.00
09/23/92	LCS DUP	MSD192092309080	100.00
10/23/92	LCS	MSD292102308460	110.00
10/23/92	LCS DUP	MSD292102308460	101.00
10/14/92	LCS	MSD192101413560	13.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Hexachloroethane continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	10.00
10/16/92	LCS	MSD192101609100	104.00
10/16/92	LCS DUP	MSD192101609100	102.00
-----			
Number of Samples	: 50	Below acceptance :	3
Mean % Recovery	: 92.9	Above acceptance :	2
Standard Deviation	: 21.19	Acceptance Criteria	40-113
Method : SW8270			
Spiked Analyte : Indeno(1,2,3-cd)pyrene			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	88.00
07/23/92	LCS DUP	MSD292072310280	86.00
08/05/92	LCS	MSD292080508200	82.00
08/05/92	LCS DUP	MSD292080508200	70.00
08/06/92	LCS	MSD292080608290	84.00
08/06/92	LCS DUP	MSD292080608290	86.00
08/09/92	LCS	MSD292080810200	71.00
08/09/92	LCS DUP	MSD292080810200	73.00
08/10/92	LCS	MSD292081008350	81.00
08/10/92	LCS DUP	MSD292081008350	79.00
08/11/92	LCS	MSD292081108220	81.00
08/11/92	LCS DUP	MSD292081108220	83.00
08/17/92	LCS	MSD292081714490	78.00
08/17/92	LCS DUP	MSD292081714490	78.00
08/18/92	LCS	MSD292081808190	70.00
08/18/92	LCS DUP	MSD292081808190	68.00
08/22/92	LCS	MSD292082210460	110.00
08/22/92	LCS DUP	MSD292082210460	103.00
08/24/92	LCS	MSD292082408180	79.00
08/24/92	LCS DUP	MSD292082408180	83.00
08/12/92	LCS	MSD192081208590	96.00
08/12/92	LCS DUP	MSD192081208590	91.00
09/07/92	LCS	MSD292090710580	91.00
09/07/92	LCS DUP	MSD292090710580	95.00
09/21/92	LCS	MSD292092108300	87.00
09/21/92	LCS DUP	MSD292092108300	92.00
09/23/92	LCS	MSD292092314280	65.00
09/23/92	LCS DUP	MSD292092314280	69.00
10/14/92	LCS	MSD292101408230	85.00
10/14/92	LCS DUP	MSD292101408170	84.00
08/29/92	LCS	MSD192082911430	88.00
08/29/92	LCS DUP	MSD192082911430	82.00
08/31/92	LCS	MSD192083108300	64.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Indeno(1,2,3-cd)pyrene continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	82.00
09/10/92	LCS DUP	MSD192091008420	90.00
09/10/92	LCS	MSD192091008420	76.00
09/10/92	LCS DUP	MSD192091008420	73.00
09/10/92	LCS	MSD192091008420	84.00
09/14/92	LCS	MSD192091409020	68.00
09/14/92	LCS DUP	MSD192091409020	68.00
09/16/92	LCS	MSD192091609020	82.00
09/16/92	LCS DUP	MSD192091609020	67.00
09/23/92	LCS	MSD192092309080	81.00
09/23/92	LCS DUP	MSD192092309080	68.00
10/23/92	LCS	MSD292102308460	97.00
10/23/92	LCS DUP	MSD292102308460	91.00
10/14/92	LCS	MSD192101413560	80.00
10/14/92	LCS DUP	MSD192101413560	70.00
10/16/92	LCS	MSD192101609100	76.00
10/16/92	LCS DUP	MSD192101609100	70.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 80.9	Above acceptance :	0
Standard Deviation	: 10.19	Acceptance Criteria	D-171

Method : SW8270  
 Spiked Analyte : Isophorone  
 Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	106.00
07/23/92	LCS DUP	MSD292072310280	103.00
08/05/92	LCS	MSD292080508200	101.00
08/05/92	LCS DUP	MSD292080508200	89.00
08/06/92	LCS	MSD292080608290	100.00
08/06/92	LCS DUP	MSD292080608290	103.00
08/09/92	LCS	MSD292080810200	106.00
08/09/92	LCS DUP	MSD292080810200	107.00
08/10/92	LCS	MSD292081008350	99.00
08/10/92	LCS DUP	MSD292081008350	94.00
08/11/92	LCS	MSD292081108220	105.00
08/11/92	LCS DUP	MSD292081108220	107.00
08/17/92	LCS	MSD292081714490	96.00
08/17/92	LCS DUP	MSD292081714490	98.00
08/18/92	LCS	MSD292081808190	99.00
08/18/92	LCS DUP	MSD292081808190	99.00
08/22/92	LCS	MSD292082210460	104.00
08/22/92	LCS DUP	MSD292082210460	103.00
08/24/92	LCS	MSD292082408180	105.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Isophorone continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	106.00
08/12/92	LCS	MSD192081208590	98.00
08/12/92	LCS DUP	MSD192081208590	98.00
09/07/92	LCS	MSD292090710580	93.00
09/07/92	LCS DUP	MSD292090710580	95.00
09/21/92	LCS	MSD292092108300	96.00
09/21/92	LCS DUP	MSD292092108300	96.00
09/23/92	LCS	MSD292092314280	108.00
09/23/92	LCS DUP	MSD292092314280	101.00
10/14/92	LCS	MSD292101408230	108.00
10/14/92	LCS DUP	MSD292101408170	96.00
08/29/92	LCS	MSD192082911430	99.00
08/29/92	LCS DUP	MSD192082911430	90.00
08/31/92	LCS	MSD192083108300	85.00
08/31/92	LCS DUP	MSD192083108300	90.00
09/10/92	LCS DUP	MSD192091008420	115.00
09/10/92	LCS	MSD192091008420	97.00
09/10/92	LCS DUP	MSD192091008420	101.00
09/10/92	LCS	MSD192091008420	116.00
09/14/92	LCS	MSD192091409020	94.00
09/14/92	LCS DUP	MSD192091409020	94.00
09/16/92	LCS	MSD192091609020	96.00
09/16/92	LCS DUP	MSD192091609020	92.00
09/23/92	LCS	MSD192092309080	103.00
09/23/92	LCS DUP	MSD192092309080	94.00
10/23/92	LCS	MSD292102308460	124.00
10/23/92	LCS DUP	MSD292102308460	116.00
10/14/92	LCS	MSD192101413560	83.00
10/14/92	LCS DUP	MSD192101413560	83.00
10/16/92	LCS	MSD192101609100	93.00
10/16/92	LCS DUP	MSD192101609100	91.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 99.5	Above acceptance :	0
Standard Deviation	: 8.31	Acceptance Criteria	21-196

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : N-Nitrosodiphenylamine			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	95.00
07/23/92	LCS DUP	MSD292072310280	90.00
08/05/92	LCS	MSD292080508200	97.00
08/05/92	LCS DUP	MSD292080508200	85.00
08/06/92	LCS	MSD292080608290	89.00
08/06/92	LCS DUP	MSD292080608290	92.00
08/09/92	LCS	MSD292080810200	100.00
08/09/92	LCS DUP	MSD292080810200	102.00
08/10/92	LCS	MSD292081008350	96.00
08/10/92	LCS DUP	MSD292081008350	96.00
08/11/92	LCS	MSD292081108220	99.00
08/11/92	LCS DUP	MSD292081108220	100.00
08/17/92	LCS	MSD292081714490	88.00
08/17/92	LCS DUP	MSD292081714490	91.00
08/18/92	LCS	MSD292081808190	98.00
08/18/92	LCS DUP	MSD292081808190	90.00
08/22/92	LCS	MSD292082210460	101.00
08/22/92	LCS DUP	MSD292082210460	102.00
08/24/92	LCS	MSD292082408180	82.00
08/24/92	LCS DUP	MSD292082408180	87.00
08/12/92	LCS	MSD192081208590	92.00
08/12/92	LCS DUP	MSD192081208590	92.00
09/07/92	LCS	MSD292090710580	98.00
09/07/92	LCS DUP	MSD292090710580	98.00
09/21/92	LCS	MSD292092108300	93.00
09/21/92	LCS DUP	MSD292092108300	97.00
09/23/92	LCS	MSD292092314280	89.00
09/23/92	LCS DUP	MSD292092314280	83.00
10/14/92	LCS	MSD292101408230	105.00
10/14/92	LCS DUP	MSD292101408170	92.00
08/29/92	LCS	MSD192082911430	99.00
08/29/92	LCS DUP	MSD192082911430	89.00
08/31/92	LCS	MSD192083108300	80.00
08/31/92	LCS DUP	MSD192083108300	83.00
09/10/92	LCS DUP	MSD192091008420	118.00
09/10/92	LCS	MSD192091008420	81.00
09/10/92	LCS DUP	MSD192091008420	81.00
09/10/92	LCS	MSD192091008420	110.00
09/14/92	LCS	MSD192091409020	94.00
09/14/92	LCS DUP	MSD192091409020	96.00
09/16/92	LCS	MSD192091609020	92.00
09/16/92	LCS DUP	MSD192091609020	86.00
09/23/92	LCS	MSD192092309080	98.00
09/23/92	LCS DUP	MSD192092309080	91.00
10/23/92	LCS	MSD292102308460	92.00
10/23/92	LCS DUP	MSD292102308460	86.00
10/14/92	LCS	MSD192101413560	91.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : N-Nitrosodiphenylamine continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	87.00
10/16/92	LCS	MSD192101609100	86.00
10/16/92	LCS DUP	MSD192101609100	81.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 92.8	Above acceptance :	0
Standard Deviation	: 7.73	Acceptance Criteria	NS
Method : SW8270			
Spiked Analyte : N-Nitrosodipropylamine			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	111.00
07/23/92	LCS DUP	MSD292072310280	110.00
08/05/92	LCS	MSD292080508200	107.00
08/05/92	LCS DUP	MSD292080508200	96.00
08/06/92	LCS	MSD292080608290	101.00
08/06/92	LCS DUP	MSD292080608290	104.00
08/09/92	LCS	MSD292080810200	115.00
08/09/92	LCS DUP	MSD292080810200	118.00
08/10/92	LCS	MSD292081008350	107.00
08/10/92	LCS DUP	MSD292081008350	102.00
08/11/92	LCS	MSD292081108220	110.00
08/11/92	LCS DUP	MSD292081108220	111.00
08/17/92	LCS	MSD292081714490	85.00
08/17/92	LCS DUP	MSD292081714490	85.00
08/18/92	LCS	MSD292081808190	87.00
08/18/92	LCS DUP	MSD292081808190	88.00
08/22/92	LCS	MSD292082210460	96.00
08/22/92	LCS DUP	MSD292082210460	96.00
08/24/92	LCS	MSD292082408180	87.00
08/24/92	LCS DUP	MSD292082408180	88.00
08/12/92	LCS	MSD192081208590	105.00
08/12/92	LCS DUP	MSD192081208590	101.00
09/07/92	LCS	MSD292090710580	81.00
09/07/92	LCS DUP	MSD292090710580	81.00
09/21/92	LCS	MSD292092108300	84.00
09/21/92	LCS DUP	MSD292092108300	87.00
09/23/92	LCS	MSD292092314280	85.00
09/23/92	LCS DUP	MSD292092314280	89.00
10/14/92	LCS	MSD292101408230	94.00
10/14/92	LCS DUP	MSD292101408170	74.00
08/29/92	LCS	MSD192082911430	112.00
08/29/92	LCS DUP	MSD192082911430	98.00
08/31/92	LCS	MSD192083108300	91.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : N-Nitrosodipropylamine continued			
Type of Spike : Laboratory Control			
08/31/92	LCS DUP	MSD192083108300	95.00
09/10/92	LCS DUP	MSD192091008420	121.00
09/10/92	LCS	MSD192091008420	91.00
09/10/92	LCS DUP	MSD192091008420	98.00
09/10/92	LCS	MSD192091008420	124.00
09/14/92	LCS	MSD192091409020	99.00
09/14/92	LCS DUP	MSD192091409020	99.00
09/16/92	LCS	MSD192091609020	92.00
09/16/92	LCS DUP	MSD192091609020	91.00
09/23/92	LCS	MSD192092309080	112.00
09/23/92	LCS DUP	MSD192092309080	103.00
10/23/92	LCS	MSD292102308460	120.00
10/23/92	LCS DUP	MSD292102308460	111.00
10/14/92	LCS	MSD192101413560	82.00
10/14/92	LCS DUP	MSD192101413560	77.00
10/16/92	LCS	MSD192101609100	94.00
10/16/92	LCS DUP	MSD192101609100	91.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 97.7	Above acceptance :	0
Standard Deviation	: 12.25	Acceptance Criteria	D-230

Type of Spike : Matrix Spike

07/23/92	09-MW-04-02 MS	MSD292072310280	92.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	103.00
08/05/92	10-DS-01 MS	MSD292080508200	106.00
08/05/92	10-DS-01 MSD	MSD292080508200	102.00
08/05/92	06-DS-01 MS	MSD292080508200	98.00
08/05/92	06-DS-01 MSD	MSD292080508200	96.00
08/09/92	06-DS-02 MS	MSD292080911050	94.00
08/09/92	06-DS-02 MSD	MSD292080911050	86.00
08/11/92	05-SS-06-01 MS	MSD292081108220	86.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	92.00
08/22/92	05-MW-04-02 MS	MSD292082210460	74.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	82.00
08/12/92	05-DS-01 MS	MSD192081208590	92.00
08/12/92	05-DS-01 MSD	MSD192081208590	96.00
09/07/92	04-DS-01 MS	MSD292090710580	60.00
09/07/92	04-DS-01 MSD	MSD292090710580	60.00
09/21/92	07-SS-01-01 MS	MSD292092108300	68.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	58.00
09/24/92	07-DS-03 MSD	MSD292092408270	76.00
09/25/92	07-DS-03 MS	MSD292092508300	73.00
08/29/92	11-SS-01-01 MS	MSD192082911430	91.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	81.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : N-Nitrosodipropylamine continued			
Type of Spike : Matrix Spike			
09/10/92	07-MW-03-02 MS	MSD192091008420	88.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	85.00
09/14/92	09-MW-06-02 MS	MSD192091409020	85.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	81.00
10/16/92	10-DS-02 MS	MSD192101609100	91.00
10/16/92	10-DS-02 MSD	MSD192101609100	95.00

Number of Samples	: 28	Below acceptance :	0
Mean % Recovery	: 85.4	Above acceptance :	0
Standard Deviation	: 12.95	Acceptance Criteria	D-230

Method : SW8270  
Spiked Analyte : Naphthalene

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	90.00
07/23/92	LCS DUP	MSD292072310280	87.00
08/05/92	LCS	MSD292080508200	92.00
08/05/92	LCS DUP	MSD292080508200	81.00
08/06/92	LCS	MSD292080608290	88.00
08/06/92	LCS DUP	MSD292080608290	93.00
08/09/92	LCS	MSD292080810200	95.00
08/09/92	LCS DUP	MSD292080810200	97.00
08/10/92	LCS	MSD292081008350	89.00
08/10/92	LCS DUP	MSD292081008350	84.00
08/11/92	LCS	MSD292081108220	94.00
08/11/92	LCS DUP	MSD292081108220	96.00
08/17/92	LCS	MSD292081714490	89.00
08/17/92	LCS DUP	MSD292081714490	91.00
08/18/92	LCS	MSD292081808190	77.00
08/18/92	LCS DUP	MSD292081808190	92.00
08/22/92	LCS	MSD292082210460	102.00
08/22/92	LCS DUP	MSD292082210460	101.00
08/24/92	LCS	MSD292082408180	93.00
08/24/92	LCS DUP	MSD292082408180	96.00
08/12/92	LCS	MSD192081208590	100.00
08/12/92	LCS DUP	MSD192081208590	100.00
09/07/92	LCS	MSD292090710580	100.00
09/07/92	LCS DUP	MSD292090710580	102.00
09/21/92	LCS	MSD292092108300	97.00
09/21/92	LCS DUP	MSD292092108300	98.00
09/23/92	LCS	MSD292092314280	89.00
09/23/92	LCS DUP	MSD292092314280	91.00
10/14/92	LCS	MSD292101408230	95.00
10/14/92	LCS DUP	MSD292101408170	87.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Naphthalene continued			
Type of Spike : Laboratory Control			
08/29/92	LCS	MSD192082911430	101.00
08/29/92	LCS DUP	MSD192082911430	91.00
08/31/92	LCS	MSD192083108300	96.00
08/31/92	LCS DUP	MSD192083108300	103.00
09/10/92	LCS DUP	MSD192091008420	123.00
09/10/92	LCS	MSD192091008420	104.00
09/10/92	LCS DUP	MSD192091008420	103.00
09/10/92	LCS	MSD192091008420	121.00
09/14/92	LCS	MSD192091409020	99.00
09/14/92	LCS DUP	MSD192091409020	101.00
09/16/92	LCS	MSD192091609020	98.00
09/16/92	LCS DUP	MSD192091609020	98.00
09/23/92	LCS	MSD192092309080	104.00
09/23/92	LCS DUP	MSD192092309080	101.00
10/23/92	LCS	MSD292102308460	100.00
10/23/92	LCS DUP	MSD292102308460	94.00
10/14/92	LCS	MSD192101413560	61.00
10/14/92	LCS DUP	MSD192101413560	56.00
10/16/92	LCS	MSD192101609100	96.00
10/16/92	LCS DUP	MSD192101609100	92.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 94.6	Above acceptance :	0
Standard Deviation	: 10.93	Acceptance Criteria	21-133

Method : SW8270  
 Spiked Analyte : Nitrobenzene  
 Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	102.00
07/23/92	LCS DUP	MSD292072310280	100.00
08/05/92	LCS	MSD292080508200	100.00
08/05/92	LCS DUP	MSD292080508200	88.00
08/06/92	LCS	MSD292080608290	98.00
08/06/92	LCS DUP	MSD292080608290	103.00
08/09/92	LCS	MSD292080810200	105.00
08/09/92	LCS DUP	MSD292080810200	106.00
08/10/92	LCS	MSD292081008350	95.00
08/10/92	LCS DUP	MSD292081008350	91.00
08/11/92	LCS	MSD292081108220	104.00
08/11/92	LCS DUP	MSD292081108220	106.00
08/17/92	LCS	MSD292081714490	90.00
08/17/92	LCS DUP	MSD292081714490	93.00
08/18/92	LCS	MSD292081808190	78.00
08/18/92	LCS DUP	MSD292081808190	94.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Nitrobenzene continued			
Type of Spike : Laboratory Control			
08/22/92	LCS	MSD292082210460	102.00
08/22/92	LCS DUP	MSD292082210460	100.00
08/24/92	LCS	MSD292082408180	99.00
08/24/92	LCS DUP	MSD292082408180	102.00
08/12/92	LCS	MSD192081208590	94.00
08/12/92	LCS DUP	MSD192081208590	96.00
09/07/92	LCS	MSD292090710580	90.00
09/07/92	LCS DUP	MSD292090710580	93.00
09/21/92	LCS	MSD292092108300	91.00
09/21/92	LCS DUP	MSD292092108300	92.00
09/23/92	LCS	MSD292092314280	71.00
09/23/92	LCS DUP	MSD292092314280	66.00
10/14/92	LCS	MSD292101408230	138.00
10/14/92	LCS DUP	MSD292101408170	105.00
08/29/92	LCS	MSD192082911430	94.00
08/29/92	LCS DUP	MSD192082911430	87.00
08/31/92	LCS	MSD192083108300	84.00
08/31/92	LCS DUP	MSD192083108300	88.00
09/10/92	LCS DUP	MSD192091008420	112.00
09/10/92	LCS	MSD192091008420	93.00
09/10/92	LCS DUP	MSD192091008420	98.00
09/10/92	LCS	MSD192091008420	111.00
09/14/92	LCS	MSD192091409020	91.00
09/14/92	LCS DUP	MSD192091409020	93.00
09/16/92	LCS	MSD192091609020	90.00
09/16/92	LCS DUP	MSD192091609020	88.00
09/23/92	LCS	MSD192092309080	97.00
09/23/92	LCS DUP	MSD192092309080	93.00
10/23/92	LCS	MSD292102308460	152.00
10/23/92	LCS DUP	MSD292102308460	142.00
10/14/92	LCS	MSD192101413560	57.00
10/14/92	LCS DUP	MSD192101413560	56.00
10/16/92	LCS	MSD192101609100	97.00
10/16/92	LCS DUP	MSD192101609100	94.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 96.2	Above acceptance :	0
Standard Deviation	: 16.78	Acceptance Criteria	35-180

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Nitrobenzene-d5			
Type of Spike : Surrogate			
07/23/92	09-MW-04-02	MSD292072310280	89.00
07/23/92	09-MW-04-02 MS	MSD292072310280	84.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	87.00
07/23/92	09-MW-01-02	MSD292072310280	84.00
07/23/92	09-MW-02-02	MSD292072310280	84.00
07/23/92	10-MW-02-01	MSD292072310280	94.00
07/23/92	10-MW-03-01	MSD292072310280	78.00
07/23/92	10-SB-03-01	MSD292072310280	86.00
07/23/92	10-SB-03-02	MSD292072310280	87.00
07/23/92	10-SB-03-03	MSD292072310280	65.00
08/05/92	10-DS-01	MSD292080508200	83.00
08/05/92	10-DS-01 MS	MSD292080508200	97.00
08/05/92	10-DS-01 MSD	MSD292080508200	96.00
08/05/92	10-SB-02-02	MSD292080508200	92.00
08/05/92	10-MW-01-01	MSD292080508200	93.00
08/05/92	10-SB-02-01	MSD292080508200	97.00
08/05/92	06-MW-04-02	MSD292080508200	92.00
08/05/92	06-SB-02-01	MSD292080508200	92.00
08/05/92	06-SB-02-02	MSD292080508200	97.00
08/05/92	10-SB-01-01	MSD292080508200	91.00
08/05/92	10-SB-01-02	MSD292080508200	98.00
08/05/92	06-DS-01	MSD292080508200	96.00
08/05/92	06-DS-01 MS	MSD292080508200	96.00
08/05/92	06-DS-01 MSD	MSD292080508200	92.00
08/06/92	06-MW-03-02	MSD292080608290	95.00
08/09/92	06-DS-02	MSD292080911050	94.00
08/09/92	06-DS-02 MS	MSD292080911050	86.00
08/09/92	06-DS-02 MSD	MSD292080911050	79.00
08/09/92	06-SS-06-01	MSD292080911050	93.00
08/09/92	06-SB-01-01	MSD292080911050	91.00
08/09/92	06-MW-01-02	MSD292080911050	19.00
08/10/92	11-SB-01-02	MSD292081008350	71.00
08/10/92	06-SB-01-02	MSD292081008350	83.00
08/10/92	11-SB-01-01	MSD292081008350	91.00
08/10/92	06-MW-02-02	MSD292081008350	87.00
08/10/92	06-SS-04-01	MSD292081008350	94.00
08/10/92	06-SS-05-01	MSD292081008350	88.00
08/11/92	05-SS-06-01	MSD292081108220	93.00
08/11/92	05-SS-06-01 MS	MSD292081108220	95.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	100.00
08/11/92	05-SS-03-01	MSD292081108220	98.00
08/11/92	05-SS-02-01	MSD292081108220	99.00
08/11/92	05-SS-01-01	MSD292081108220	102.00
08/11/92	05-SS-04-01	MSD292081108220	97.00
08/11/92	05-MW-02-02	MSD292081108220	97.00
08/22/92	05-MW-04-02	MSD292082210460	87.00
08/22/92	05-MW-04-02 MS	MSD292082210460	91.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Nitrobenzene-d5 continued			
Type of Spike : Surrogate			
08/22/92	05-MW-04-02 MSD	MSD292082210460	94.00
08/22/92	05-MW-05-02	MSD292082210460	145.00
08/22/92	05-MW-06-02	MSD292082210460	98.00
08/22/92	05-SS-05-01	MSD292082210460	98.00
08/22/92	05-SS-08-01	MSD292082210460	94.00
08/22/92	05-SS-09-01	MSD292082210460	101.00
08/22/92	05-SS-07-01	MSD292082210460	96.00
08/22/92	05-SD-01-01	MSD292082210460	83.00
08/22/92	05-DS-04	MSD292082210460	97.00
08/22/92	05-SS-10-01	MSD292082210460	102.00
08/22/92	05-SS-11-01	MSD292082210460	101.00
08/22/92	05-SS-14-01	MSD292082210460	95.00
08/24/92	06-SS-01-01	MSD292082408180	95.00
08/24/92	06-SS-02-01	MSD292082408180	90.00
08/24/92	06-SS-03-01	MSD292082408180	83.00
08/24/92	05-SD-02-01	MSD292082408180	88.00
08/24/92	05-SS-13-01	MSD292082408180	88.00
08/24/92	05-DS-03	MSD292082408180	84.00
08/12/92	05-DS-01	MSD192081208590	20.00
08/12/92	05-DS-01 MS	MSD192081208590	95.00
08/12/92	05-DS-01 MSD	MSD192081208590	96.00
08/12/92	05-SB-01-03	MSD192081208590	99.00
08/12/92	05-SB-01-01	MSD192081208590	46.00
08/12/92	05-SB-01-02	MSD192081208590	99.00
08/12/92	05-SB-02-03	MSD192081208590	102.00
08/13/92	05-SB-02-01	MSD192081308540	92.00
08/13/92	05-SB-02-02	MSD192081308540	115.00
08/13/92	05-SB-02-04	MSD192081308540	88.00
08/13/92	05-SB-03-01	MSD192081308540	90.00
08/13/92	05-SB-03-02	MSD192081308540	90.00
08/13/92	05-MW-03-02	MSD192081308540	92.00
08/13/92	05-MW-01-02	MSD192081308540	95.00
08/13/92	05-DS-02	MSD192081308540	94.00
09/07/92	04-DS-01	MSD292090710580	93.00
09/07/92	04-DS-01 MS	MSD292090710580	90.00
09/07/92	04-DS-01 MSD	MSD292090710580	94.00
09/07/92	04-SS-03-01	MSD292090710580	95.00
09/07/92	04-SD-01-01	MSD292090710580	91.00
09/07/92	04-SD-02-01	MSD292090710580	97.00
09/07/92	04-SS-01-01	MSD292090710580	98.00
09/07/92	04-SS-02-01	MSD292090710580	91.00
09/07/92	04-DS-02	MSD292090710580	91.00
09/07/92	04-SD-03-01	MSD292090710580	92.00
09/07/92	04-SD-04-01	MSD292090710580	96.00
09/07/92	09-MW-05-02	MSD292090710580	86.00
09/07/92	09-MW-03-02	MSD292090710580	91.00
09/07/92	04-MW-03-02	MSD292090710580	95.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Nitrobenzene-d5 continued			
Type of Spike : Surrogate			
09/07/92	04-MW-02-02	MSD292090710580	75.00
09/21/92	07-SS-01-01	MSD292092108300	80.00
09/21/92	07-SS-01-01 MS	MSD292092108300	83.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	80.00
09/21/92	07-SS-02-01	MSD292092108300	75.00
09/21/92	07-SS-03-01	MSD292092108300	73.00
09/21/92	07-SS-04-01	MSD292092108300	88.00
09/21/92	07-SS-05-01	MSD292092108300	85.00
09/21/92	07-DS-02	MSD292092108300	85.00
09/21/92	07-DS-03	MSD292092108300	85.00
09/21/92	07-SD-02-01	MSD292092108300	90.00
09/24/92	07-DS-03	MSD292092408270	103.00
09/24/92	07-DS-03 MSD	MSD292092408270	111.00
09/24/92	07-SD-01-01	MSD292092408270	100.00
09/25/92	07-DS-03 MS	MSD292092508300	105.00
08/29/92	11-SS-01-01	MSD192082911430	99.00
08/29/92	11-SS-01-01 MS	MSD192082911430	101.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	97.00
08/31/92	05-SS-12-01	MSD192083108300	95.00
09/01/92	05-SS-15-01	MSD192083108300	92.00
09/01/92	06-SD-01-01	MSD192083108300	103.00
09/01/92	06-SD-02-01	MSD192083108300	88.00
09/10/92	07-MW-03-02	MSD192091008420	94.00
09/10/92	07-MW-03-02 MS	MSD192091008420	97.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	94.00
09/10/92	07-MW-02-02	MSD192091008420	81.00
09/10/92	07-DS-01	MSD192091008420	103.00
09/10/92	07-SB-01-01	MSD192091008420	93.00
09/10/92	07-SB-03-01	MSD192091008420	105.00
09/10/92	07-SB-02-01	MSD192091008420	93.00
09/10/92	07-MW-01-02	MSD192091008420	94.00
09/10/92	05-MW-04-02	MSD192091008420	94.00
09/10/92	07-MW-04-02	MSD192091008420	100.00
09/14/92	09-MW-06-02	MSD192091409020	82.00
09/14/92	09-MW-06-02 MS	MSD192091409020	80.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	84.00
09/14/92	09-DS-01	MSD192091409020	95.00
09/14/92	04-MW-01-02	MSD192091409020	78.00
09/14/92	04-MW-04-02	MSD192091409020	97.00
09/23/92	09-SS-02-01	MSD192092309080	82.00
09/23/92	09-SS-01-01	MSD192092309080	90.00
09/23/92	09-SS-03-01	MSD192092309080	87.00
10/14/92	12-MW-01-02	MSD192101413560	27.00
10/14/92	12-MW-02-02	MSD192101413560	3.00
10/16/92	10-DS-02	MSD192101609100	98.00
10/16/92	10-DS-02 MS	MSD192101609100	99.00
10/16/92	10-DS-02 MSD	MSD192101609100	102.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Nitrobenzene-d5 continued			
Type of Spike : Surrogate			
10/16/92	10-SS-01-01	MSD192101609100	97.00
10/16/92	10-SS-02-01	MSD192101609100	99.00
10/16/92	10-SS-03-01	MSD192101609100	100.00
10/16/92	10-SS-04-01	MSD192101609100	102.00
10/16/92	10-SS-05-01	MSD192101609100	95.00
10/16/92	10-SS-06-01	MSD192101609100	89.00
-----			
Number of Samples	: 147	Below acceptance :	3
Mean % Recovery	: 90.1	Above acceptance :	1
Standard Deviation	: 15.57	Acceptance Criteria	23-120

## Type of Spike : Surrogate - Blank Sample

07/23/92	METHOD BLANK	MSD292072310280	81.00
08/05/92	METHOD BLANK	MSD292080508200	94.00
08/06/92	METHOD BLANK	MSD292080608290	92.00
08/09/92	METHOD BLANK	MSD292080911050	92.00
08/10/92	METHOD BLANK	MSD292081008350	97.00
08/11/92	METHOD BLANK	MSD292081108220	102.00
08/12/92	METHOD BLANK	MSD292081208090	86.00
08/17/92	METHOD BLANK	MSD292081714490	95.00
08/18/92	METHOD BLANK	MSD292081808190	8.00
08/22/92	METHOD BLANK	MSD292082210460	100.00
08/24/92	METHOD BLANK	MSD292082408180	92.00
08/12/92	METHOD BLANK	MSD192081208590	96.00
08/13/92	METHOD BLANK	MSD192081308540	94.00
09/07/92	METHOD BLANK	MSD292090710580	95.00
09/21/92	METHOD BLANK	MSD292092108300	87.00
09/23/92	METHOD BLANK	MSD292092314280	82.00
08/29/92	METHOD BLANK	MSD192082911430	96.00
08/31/92	METHOD BLANK	MSD192083108300	92.00
09/10/92	METHOD BLANK	MSD192091008420	86.00
09/14/92	METHOD BLANK	MSD192091409020	83.00
09/16/92	METHOD BLANK	MSD192091609020	25.00
09/23/92	METHOD BLANK	MSD192092309080	85.00
10/14/92	METHOD BLANK	MSD192101413560	24.00
10/16/92	METHOD BLANK	MSD192101609100	72.00

Number of Samples	: 24	Below acceptance :	1
Mean % Recovery	: 81.5	Above acceptance :	0
Standard Deviation	: 25.21	Acceptance Criteria	23-120

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Nitrobenzene-d5 continued			
Type of Spike : Surrogate - Laboratory Control			
Type of Spike : Surrogate - Laboratory Control			
07/23/92	LCS	MSD292072310280	89.00
07/23/92	LCS DUP	MSD292072310280	90.00
08/05/92	LCS	MSD292080508200	94.00
08/05/92	LCS DUP	MSD292080508200	83.00
08/06/92	LCS	MSD292080608290	94.00
08/06/92	LCS DUP	MSD292080608290	98.00
08/09/92	LCS	MSD292080810200	95.00
08/09/92	LCS DUP	MSD292080810200	99.00
08/10/92	LCS	MSD292081008350	91.00
08/10/92	LCS DUP	MSD292081008350	77.00
08/11/92	LCS	MSD292081108220	95.00
08/11/92	LCS DUP	MSD292081108220	98.00
08/17/92	LCS	MSD292081714490	92.00
08/17/92	LCS DUP	MSD292081714490	94.00
08/18/92	LCS	MSD292081808190	50.00
08/18/92	LCS DUP	MSD292081808190	66.00
08/22/92	LCS	MSD292082210460	105.00
08/22/92	LCS DUP	MSD292082210460	94.00
08/24/92	LCS	MSD292082408180	97.00
08/24/92	LCS DUP	MSD292082408180	88.00
08/12/92	LCS	MSD192081208590	96.00
08/12/92	LCS DUP	MSD192081208590	98.00
09/07/92	LCS	MSD292090710580	91.00
09/07/92	LCS DUP	MSD292090710580	93.00
09/21/92	LCS	MSD292092108300	86.00
09/21/92	LCS DUP	MSD292092108300	76.00
09/23/92	LCS	MSD292092314280	88.00
09/23/92	LCS DUP	MSD292092314280	83.00
10/14/92	LCS	MSD292101408230	99.00
10/14/92	LCS DUP	MSD292101408170	77.00
08/29/92	LCS	MSD192082911430	94.00
08/29/92	LCS DUP	MSD192082911430	90.00
08/31/92	LCS	MSD192083108300	81.00
08/31/92	LCS DUP	MSD192083108300	89.00
09/10/92	LCS DUP	MSD192091008420	85.00
09/10/92	LCS	MSD192091008420	93.00
09/10/92	LCS DUP	MSD192091008420	104.00
09/10/92	LCS	MSD192091008420	88.00
09/14/92	LCS	MSD192091409020	100.00
09/14/92	LCS DUP	MSD192091409020	94.00
09/16/92	LCS	MSD192091609020	98.00
09/16/92	LCS DUP	MSD192091609020	100.00
09/23/92	LCS	MSD192092309080	92.00
09/23/92	LCS DUP	MSD192092309080	89.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Nitrobenzene-d5 continued			
Type of Spike : Surrogate - Laboratory Control			
10/23/92	LCS	MSD292102308460	100.00
10/23/92	LCS DUP	MSD292102308460	93.00
10/14/92	LCS	MSD192101413560	38.00
10/14/92	LCS DUP	MSD192101413560	40.00
10/16/92	LCS	MSD192101609100	101.00
10/16/92	LCS DUP	MSD192101609100	95.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 88.8	Above acceptance :	0
Standard Deviation	: 14.02	Acceptance Criteria	23-120

Method : SW8270  
 Spiked Analyte : Pentachlorophenol  
 Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	79.00
07/23/92	LCS DUP	MSD292072310280	80.00
08/05/92	LCS	MSD292080508200	86.00
08/05/92	LCS DUP	MSD292080508200	74.00
08/06/92	LCS	MSD292080608290	85.00
08/06/92	LCS DUP	MSD292080608290	88.00
08/09/92	LCS	MSD292080810200	90.00
08/09/92	LCS DUP	MSD292080810200	90.00
08/10/92	LCS	MSD292081008350	90.00
08/10/92	LCS DUP	MSD292081008350	87.00
08/11/92	LCS	MSD292081108220	96.00
08/11/92	LCS DUP	MSD292081108220	98.00
08/17/92	LCS	MSD292081714490	76.00
08/17/92	LCS DUP	MSD292081714490	78.00
08/18/92	LCS	MSD292081808190	73.00
08/18/92	LCS DUP	MSD292081808190	71.00
08/22/92	LCS	MSD292082210460	76.00
08/22/92	LCS DUP	MSD292082210460	73.00
08/24/92	LCS	MSD292082408180	65.00
08/24/92	LCS DUP	MSD292082408180	68.00
08/12/92	LCS	MSD192081208590	85.00
08/12/92	LCS DUP	MSD192081208590	89.00
09/07/92	LCS	MSD292090710580	67.00
09/07/92	LCS DUP	MSD292090710580	72.00
09/21/92	LCS	MSD292092108300	72.00
09/21/92	LCS DUP	MSD292092108300	77.00
09/23/92	LCS	MSD292092314280	72.00
09/23/92	LCS DUP	MSD292092314280	72.00
10/14/92	LCS	MSD292101408230	72.00
10/14/92	LCS DUP	MSD292101408170	69.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Pentachlorophenol continued			
Type of Spike : Laboratory Control			
08/29/92	LCS	MSD192082911430	81.00
08/29/92	LCS DUP	MSD192082911430	77.00
08/31/92	LCS	MSD192083108300	68.00
08/31/92	LCS DUP	MSD192083108300	73.00
09/10/92	LCS DUP	MSD192091008420	72.00
09/10/92	LCS	MSD192091008420	70.00
09/10/92	LCS DUP	MSD192091008420	72.00
09/10/92	LCS	MSD192091008420	62.00
09/14/92	LCS	MSD192091409020	73.00
09/14/92	LCS DUP	MSD192091409020	72.00
09/16/92	LCS	MSD192091609020	63.00
09/16/92	LCS DUP	MSD192091609020	68.00
09/23/92	LCS	MSD192092309080	75.00
09/23/92	LCS DUP	MSD192092309080	74.00
10/23/92	LCS	MSD292102308460	88.00
10/23/92	LCS DUP	MSD292102308460	84.00
10/14/92	LCS	MSD192101413560	77.00
10/14/92	LCS DUP	MSD192101413560	75.00
10/16/92	LCS	MSD192101609100	85.00
10/16/92	LCS DUP	MSD192101609100	81.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 77.2	Above acceptance :	0
Standard Deviation	: 8.46	Acceptance Criteria	14-176

## Type of Spike : Matrix Spike

07/23/92	09-MW-04-02 MS	MSD292072310280	72.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	78.00
08/05/92	10-DS-01 MS	MSD292080508200	78.00
08/05/92	10-DS-01 MSD	MSD292080508200	80.00
08/05/92	06-DS-01 MS	MSD292080508200	79.00
08/05/92	06-DS-01 MSD	MSD292080508200	78.00
08/09/92	06-DS-02 MS	MSD292080911050	80.00
08/09/92	06-DS-02 MSD	MSD292080911050	72.00
08/11/92	05-SS-06-01 MS	MSD292081108220	80.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	85.00
08/22/92	05-MW-04-02 MS	MSD292082210460	64.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	66.00
08/12/92	05-DS-01 MS	MSD192081208590	82.00
08/12/92	05-DS-01 MSD	MSD192081208590	84.00
09/07/92	04-DS-01 MS	MSD292090710580	68.00
09/07/92	04-DS-01 MSD	MSD292090710580	70.00
09/21/92	07-SS-01-01 MS	MSD292092108300	67.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	64.00
09/24/92	07-DS-03 MSD	MSD292092408270	78.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Pentachlorophenol continued			
Type of Spike : Matrix Spike			
09/25/92	07-DS-03 MS	MSD292092508300	77.00
08/29/92	11-SS-01-01 MS	MSD192082911430	76.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	69.00
09/10/92	07-MW-03-02 MS	MSD192091008420	71.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	70.00
09/14/92	09-MW-06-02 MS	MSD192091409020	68.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	63.00
10/16/92	10-DS-02 MS	MSD192101609100	77.00
10/16/92	10-DS-02 MSD	MSD192101609100	80.00

Number of Samples	: 28	Below acceptance :	0
Mean % Recovery	: 74.1	Above acceptance :	0
Standard Deviation	: 6.44	Acceptance Criteria	14-176

Method : SW8270  
 Spiked Analyte : Phenanthrene  
 Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	88.00
07/23/92	LCS DUP	MSD292072310280	85.00
08/05/92	LCS	MSD292080508200	86.00
08/05/92	LCS DUP	MSD292080508200	75.00
08/06/92	LCS	MSD292080608290	84.00
08/06/92	LCS DUP	MSD292080608290	86.00
08/09/92	LCS	MSD292080810200	89.00
08/09/92	LCS DUP	MSD292080810200	89.00
08/10/92	LCS	MSD292081008350	86.00
08/10/92	LCS DUP	MSD292081008350	85.00
08/11/92	LCS	MSD292081108220	88.00
08/11/92	LCS DUP	MSD292081108220	88.00
08/17/92	LCS	MSD292081714490	88.00
08/17/92	LCS DUP	MSD292081714490	90.00
08/18/92	LCS	MSD292081808190	94.00
08/18/92	LCS DUP	MSD292081808190	89.00
08/22/92	LCS	MSD292082210460	97.00
08/22/92	LCS DUP	MSD292082210460	97.00
08/24/92	LCS	MSD292082408180	90.00
08/24/92	LCS DUP	MSD292082408180	96.00
08/12/92	LCS	MSD192081208590	86.00
08/12/92	LCS DUP	MSD192081208590	88.00
09/07/92	LCS	MSD292090710580	97.00
09/07/92	LCS DUP	MSD292090710580	99.00
09/21/92	LCS	MSD292092108300	93.00
09/21/92	LCS DUP	MSD292092108300	99.00
09/23/92	LCS	MSD292092314280	86.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Phenanthrene continued			
Type of Spike : Laboratory Control			
09/23/92	LCS DUP	MSD292092314280	90.00
10/14/92	LCS	MSD292101408230	92.00
10/14/92	LCS DUP	MSD292101408170	93.00
08/29/92	LCS	MSD192082911430	91.00
08/29/92	LCS DUP	MSD192082911430	86.00
08/31/92	LCS	MSD192083108300	76.00
08/31/92	LCS DUP	MSD192083108300	100.00
09/10/92	LCS DUP	MSD192091008420	106.00
09/10/92	LCS	MSD192091008420	88.00
09/10/92	LCS DUP	MSD192091008420	90.00
09/10/92	LCS	MSD192091008420	103.00
09/14/92	LCS	MSD192091409020	81.00
09/14/92	LCS DUP	MSD192091409020	86.00
09/16/92	LCS	MSD192091609020	84.00
09/16/92	LCS DUP	MSD192091609020	85.00
09/23/92	LCS	MSD192092309080	91.00
09/23/92	LCS DUP	MSD192092309080	86.00
10/23/92	LCS	MSD292102308460	94.00
10/23/92	LCS DUP	MSD292102308460	89.00
10/14/92	LCS	MSD192101413560	80.00
10/14/92	LCS DUP	MSD192101413560	82.00
10/16/92	LCS	MSD192101609100	81.00
10/16/92	LCS DUP	MSD192101609100	78.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 89.0	Above acceptance :	0
Standard Deviation	: 6.50	Acceptance Criteria	54-120

Method : SW8270  
Spiked Analyte : Phenol

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	91.00
07/23/92	LCS DUP	MSD292072310280	92.00
08/05/92	LCS	MSD292080508200	92.00
08/05/92	LCS DUP	MSD292080508200	82.00
08/06/92	LCS	MSD292080608290	91.00
08/06/92	LCS DUP	MSD292080608290	96.00
08/09/92	LCS	MSD292080810200	99.00
08/09/92	LCS DUP	MSD292080810200	103.00
08/10/92	LCS	MSD292081008350	91.00
08/10/92	LCS DUP	MSD292081008350	86.00
08/11/92	LCS	MSD292081108220	106.00
08/11/92	LCS DUP	MSD292081108220	107.00
08/17/92	LCS	MSD292081714490	82.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Phenol continued			
Type of Spike : Laboratory Control			
08/17/92	LCS DUP	MSD292081714490	84.00
08/18/92	LCS	MSD292081808190	67.00
08/18/92	LCS DUP	MSD292081808190	81.00
08/22/92	LCS	MSD292082210460	88.00
08/22/92	LCS DUP	MSD292082210460	87.00
08/24/92	LCS	MSD292082408180	89.00
08/24/92	LCS DUP	MSD292082408180	90.00
08/12/92	LCS	MSD192081208590	88.00
08/12/92	LCS DUP	MSD192081208590	88.00
09/07/92	LCS	MSD292090710580	69.00
09/07/92	LCS DUP	MSD292090710580	73.00
09/21/92	LCS	MSD292092108300	87.00
09/21/92	LCS DUP	MSD292092108300	87.00
09/23/92	LCS	MSD292092314280	79.00
09/23/92	LCS DUP	MSD292092314280	81.00
10/14/92	LCS	MSD292101408230	87.00
10/14/92	LCS DUP	MSD292101408170	72.00
08/29/92	LCS	MSD192082911430	99.00
08/29/92	LCS DUP	MSD192082911430	89.00
08/31/92	LCS	MSD192083108300	92.00
08/31/92	LCS DUP	MSD192083108300	88.00
09/10/92	LCS DUP	MSD192091008420	104.00
09/10/92	LCS	MSD192091008420	99.00
09/10/92	LCS DUP	MSD192091008420	108.00
09/10/92	LCS	MSD192091008420	95.00
09/14/92	LCS	MSD192091409020	100.00
09/14/92	LCS DUP	MSD192091409020	100.00
09/16/92	LCS	MSD192091609020	90.00
09/16/92	LCS DUP	MSD192091609020	94.00
09/23/92	LCS	MSD192092309080	99.00
09/23/92	LCS DUP	MSD192092309080	96.00
10/23/92	LCS	MSD292102308460	104.00
10/23/92	LCS DUP	MSD292102308460	89.00
10/14/92	LCS	MSD192101413560	53.00
10/14/92	LCS DUP	MSD192101413560	47.00
10/16/92	LCS	MSD192101609100	94.00
10/16/92	LCS DUP	MSD192101609100	86.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 88.8	Above acceptance :	0
Standard Deviation	: 12.26	Acceptance Criteria	5-112

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Phenol continued			
Type of Spike : Matrix Spike			
Type of Spike : Matrix Spike			
07/23/92	09-MW-04-02 MS	MSD292072310280	89.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	92.00
08/05/92	10-DS-01 MS	MSD292080508200	95.00
08/05/92	10-DS-01 MSD	MSD292080508200	93.00
08/05/92	06-DS-01 MS	MSD292080508200	93.00
08/05/92	06-DS-01 MSD	MSD292080508200	92.00
08/09/92	06-DS-02 MS	MSD292080911050	82.00
08/09/92	06-DS-02 MSD	MSD292080911050	81.00
08/11/92	05-SS-06-01 MS	MSD292081108220	89.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	95.00
08/22/92	05-MW-04-02 MS	MSD292082210460	76.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	78.00
08/12/92	05-DS-01 MS	MSD192081208590	87.00
08/12/92	05-DS-01 MSD	MSD192081208590	89.00
09/07/92	04-DS-01 MS	MSD292090710580	69.00
09/07/92	04-DS-01 MSD	MSD292090710580	73.00
09/21/92	07-SS-01-01 MS	MSD292092108300	78.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	73.00
09/24/92	07-DS-03 MSD	MSD292092408270	85.00
09/25/92	07-DS-03 MS	MSD292092508300	84.00
08/29/92	11-SS-01-01 MS	MSD192082911430	89.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	81.00
09/10/92	07-MW-03-02 MS	MSD192091008420	99.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	92.00
09/14/92	09-MW-06-02 MS	MSD192091409020	88.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	83.00
10/16/92	10-DS-02 MS	MSD192101609100	83.00
10/16/92	10-DS-02 MSD	MSD192101609100	86.00

Number of Samples	: 28	Below acceptance :	0
Mean % Recovery	: 85.5	Above acceptance :	0
Standard Deviation	: 7.49	Acceptance Criteria	5-112

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Phenol-d5			
Type of Spike : Surrogate			
07/23/92	09-MW-04-02	MSD292072310280	92.00
07/23/92	09-MW-04-02 MS	MSD292072310280	86.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	89.00
07/23/92	09-MW-01-02	MSD292072310280	87.00
07/23/92	09-MW-02-02	MSD292072310280	88.00
07/23/92	10-MW-02-01	MSD292072310280	91.00
07/23/92	10-MW-03-01	MSD292072310280	86.00
07/23/92	10-SB-03-01	MSD292072310280	89.00
07/23/92	10-SB-03-02	MSD292072310280	88.00
07/23/92	10-SB-03-03	MSD292072310280	79.00
08/05/92	10-DS-01	MSD292080508200	84.00
08/05/92	10-DS-01 MS	MSD292080508200	96.00
08/05/92	10-DS-01 MSD	MSD292080508200	92.00
08/05/92	10-SB-02-02	MSD292080508200	94.00
08/05/92	10-MW-01-01	MSD292080508200	92.00
08/05/92	10-SB-02-01	MSD292080508200	92.00
08/05/92	06-MW-04-02	MSD292080508200	92.00
08/05/92	06-SB-02-01	MSD292080508200	87.00
08/05/92	06-SB-02-02	MSD292080508200	95.00
08/05/92	10-SB-01-01	MSD292080508200	89.00
08/05/92	10-SB-01-02	MSD292080508200	96.00
08/05/92	06-DS-01	MSD292080508200	94.00
08/05/92	06-DS-01 MS	MSD292080508200	93.00
08/05/92	06-DS-01 MSD	MSD292080508200	88.00
08/06/92	06-MW-03-02	MSD292080608290	93.00
08/09/92	06-DS-02	MSD292080911050	94.00
08/09/92	06-DS-02 MS	MSD292080911050	85.00
08/09/92	06-DS-02 MSD	MSD292080911050	80.00
08/09/92	06-SS-06-01	MSD292080911050	95.00
08/09/92	06-SB-01-01	MSD292080911050	91.00
08/09/92	06-MW-01-02	MSD292080911050	21.00
08/10/92	11-SB-01-02	MSD292081008350	84.00
08/10/92	06-SB-01-02	MSD292081008350	89.00
08/10/92	11-SB-01-01	MSD292081008350	97.00
08/10/92	06-MW-02-02	MSD292081008350	87.00
08/10/92	06-SS-04-01	MSD292081008350	90.00
08/10/92	06-SS-05-01	MSD292081008350	89.00
08/11/92	05-SS-06-01	MSD292081108220	93.00
08/11/92	05-SS-06-01 MS	MSD292081108220	93.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	96.00
08/11/92	05-SS-03-01	MSD292081108220	98.00
08/11/92	05-SS-02-01	MSD292081108220	95.00
08/11/92	05-SS-01-01	MSD292081108220	99.00
08/11/92	05-SS-04-01	MSD292081108220	95.00
08/11/92	05-MW-02-02	MSD292081108220	95.00
08/22/92	05-MW-04-02	MSD292082210460	86.00
08/22/92	05-MW-04-02 MS	MSD292082210460	87.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Phenol-d5 continued			
Type of Spike : Surrogate			
08/22/92	05-MW-04-02 MSD	MSD292082210460	91.00
08/22/92	05-MW-05-02	MSD292082210460	94.00
08/22/92	05-MW-06-02	MSD292082210460	97.00
08/22/92	05-SS-05-01	MSD292082210460	95.00
08/22/92	05-SS-08-01	MSD292082210460	93.00
08/22/92	05-SS-09-01	MSD292082210460	86.00
08/22/92	05-SS-07-01	MSD292082210460	98.00
08/22/92	05-SD-01-01	MSD292082210460	85.00
08/22/92	05-DS-04	MSD292082210460	98.00
08/22/92	05-SS-10-01	MSD292082210460	101.00
08/22/92	05-SS-11-01	MSD292082210460	96.00
08/22/92	05-SS-14-01	MSD292082210460	95.00
08/24/92	06-SS-01-01	MSD292082408180	91.00
08/24/92	06-SS-02-01	MSD292082408180	91.00
08/24/92	06-SS-03-01	MSD292082408180	86.00
08/24/92	05-SD-02-01	MSD292082408180	91.00
08/24/92	05-SS-13-01	MSD292082408180	90.00
08/24/92	05-DS-03	MSD292082408180	88.00
08/12/92	05-DS-01	MSD192081208590	18.00
08/12/92	05-DS-01 MS	MSD192081208590	90.00
08/12/92	05-DS-01 MSD	MSD192081208590	91.00
08/12/92	05-SB-01-03	MSD192081208590	86.00
08/12/92	05-SB-01-01	MSD192081208590	40.00
08/12/92	05-SB-01-02	MSD192081208590	87.00
08/12/92	05-SB-02-03	MSD192081208590	85.00
08/13/92	05-SB-02-01	MSD192081308540	90.00
08/13/92	05-SB-02-02	MSD192081308540	84.00
08/13/92	05-SB-02-04	MSD192081308540	83.00
08/13/92	05-SB-03-01	MSD192081308540	92.00
08/13/92	05-SB-03-02	MSD192081308540	88.00
08/13/92	05-MW-03-02	MSD192081308540	89.00
08/13/92	05-MW-01-02	MSD192081308540	93.00
08/13/92	05-DS-02	MSD192081308540	90.00
09/07/92	04-DS-01	MSD292090710580	93.00
09/07/92	04-DS-01 MS	MSD292090710580	91.00
09/07/92	04-DS-01 MSD	MSD292090710580	94.00
09/07/92	04-SS-03-01	MSD292090710580	91.00
09/07/92	04-SD-01-01	MSD292090710580	88.00
09/07/92	04-SD-02-01	MSD292090710580	93.00
09/07/92	04-SS-01-01	MSD292090710580	95.00
09/07/92	04-SS-02-01	MSD292090710580	89.00
09/07/92	04-DS-02	MSD292090710580	87.00
09/07/92	04-SD-03-01	MSD292090710580	91.00
09/07/92	04-SD-04-01	MSD292090710580	95.00
09/07/92	09-MW-05-02	MSD292090710580	86.00
09/07/92	09-MW-03-02	MSD292090710580	91.00
09/07/92	04-MW-03-02	MSD292090710580	92.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Phenol-d5 continued			
Type of Spike : Surrogate			
09/07/92	04-MW-02-02	MSD292090710580	77.00
09/21/92	07-SS-01-01	MSD292092108300	84.00
09/21/92	07-SS-01-01 MS	MSD292092108300	92.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	84.00
09/21/92	07-SS-02-01	MSD292092108300	84.00
09/21/92	07-SS-03-01	MSD292092108300	82.00
09/21/92	07-SS-04-01	MSD292092108300	91.00
09/21/92	07-SS-05-01	MSD292092108300	86.00
09/21/92	07-DS-02	MSD292092108300	85.00
09/21/92	07-DS-03	MSD292092108300	90.00
09/21/92	07-SD-02-01	MSD292092108300	93.00
09/24/92	07-DS-03	MSD292092408270	100.00
09/24/92	07-DS-03 MSD	MSD292092408270	111.00
09/24/92	07-SD-01-01	MSD292092408270	83.00
09/25/92	07-DS-03 MS	MSD292092508300	98.00
08/29/92	11-SS-01-01	MSD192082911430	93.00
08/29/92	11-SS-01-01 MS	MSD192082911430	89.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	87.00
08/31/92	05-SS-12-01	MSD192083108300	87.00
09/01/92	05-SS-15-01	MSD192083108300	81.00
09/01/92	06-SD-01-01	MSD192083108300	84.00
09/01/92	06-SD-02-01	MSD192083108300	87.00
09/10/92	07-MW-03-02	MSD192091008420	88.00
09/10/92	07-MW-03-02 MS	MSD192091008420	94.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	79.00
09/10/92	07-MW-02-02	MSD192091008420	83.00
09/10/92	07-DS-01	MSD192091008420	90.00
09/10/92	07-SB-01-01	MSD192091008420	96.00
09/10/92	07-SB-03-01	MSD192091008420	98.00
09/10/92	07-SB-02-01	MSD192091008420	93.00
09/10/92	07-MW-01-02	MSD192091008420	90.00
09/10/92	05-MW-04-02	MSD192091008420	89.00
09/10/92	07-MW-04-02	MSD192091008420	94.00
09/14/92	09-MW-06-02	MSD192091409020	91.00
09/14/92	09-MW-06-02 MS	MSD192091409020	88.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	87.00
09/14/92	09-DS-01	MSD192091409020	96.00
09/14/92	04-MW-01-02	MSD192091409020	93.00
09/14/92	04-MW-04-02	MSD192091409020	100.00
09/23/92	09-SS-02-01	MSD192092309080	86.00
09/23/92	09-SS-01-01	MSD192092309080	88.00
09/23/92	09-SS-03-01	MSD192092309080	92.00
10/14/92	12-MW-01-02	MSD192101413560	33.00
10/14/92	12-MW-02-02	MSD192101413560	11.00
10/16/92	10-DS-02	MSD192101609100	97.00
10/16/92	10-DS-02 MS	MSD192101609100	97.00
10/16/92	10-DS-02 MSD	MSD192101609100	99.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Phenol-d5 continued			
Type of Spike : Surrogate			
10/16/92	10-SS-01-01	MSD192101609100	95.00
10/16/92	10-SS-02-01	MSD192101609100	102.00
10/16/92	10-SS-03-01	MSD192101609100	103.00
10/16/92	10-SS-04-01	MSD192101609100	100.00
10/16/92	10-SS-05-01	MSD192101609100	98.00
10/16/92	10-SS-06-01	MSD192101609100	89.00
-----			
Number of Samples	: 147	Below acceptance :	3
Mean % Recovery	: 88.6	Above acceptance :	0
Standard Deviation	: 13.28	Acceptance Criteria	24-113

Type of Spike : Surrogate - Blank Sample

07/23/92	METHOD BLANK	MSD292072310280	79.00
08/05/92	METHOD BLANK	MSD292080508200	93.00
08/06/92	METHOD BLANK	MSD292080608290	87.00
08/09/92	METHOD BLANK	MSD292080911050	93.00
08/10/92	METHOD BLANK	MSD292081008350	97.00
08/11/92	METHOD BLANK	MSD292081108220	100.00
08/12/92	METHOD BLANK	MSD292081208090	85.00
08/17/92	METHOD BLANK	MSD292081714490	93.00
08/18/92	METHOD BLANK	MSD292081808190	20.00
08/22/92	METHOD BLANK	MSD292082210460	95.00
08/24/92	METHOD BLANK	MSD292082408180	84.00
08/12/92	METHOD BLANK	MSD192081208590	82.00
08/13/92	METHOD BLANK	MSD192081308540	87.00
09/07/92	METHOD BLANK	MSD292090710580	91.00
09/21/92	METHOD BLANK	MSD292092108300	89.00
09/23/92	METHOD BLANK	MSD292092314280	80.00
08/29/92	METHOD BLANK	MSD192082911430	86.00
08/31/92	METHOD BLANK	MSD192083108300	85.00
09/10/92	METHOD BLANK	MSD192091008420	86.00
09/14/92	METHOD BLANK	MSD192091409020	80.00
09/16/92	METHOD BLANK	MSD192091609020	18.00
09/23/92	METHOD BLANK	MSD192092309080	72.00
10/14/92	METHOD BLANK	MSD192101413560	24.00
10/16/92	METHOD BLANK	MSD192101609100	72.00

Number of Samples	: 24	Below acceptance :	2
Mean % Recovery	: 78.3	Above acceptance :	0
Standard Deviation	: 23.31	Acceptance Criteria	24-113



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Phenol-d5 continued			
Type of Spike : Surrogate - Laboratory Control			
Type of Spike : Surrogate - Laboratory Control			
07/23/92	LCS	MSD292072310280	85.00
07/23/92	LCS DUP	MSD292072310280	90.00
08/05/92	LCS	MSD292080508200	90.00
08/05/92	LCS DUP	MSD292080508200	81.00
08/06/92	LCS	MSD292080608290	89.00
08/06/92	LCS DUP	MSD292080608290	94.00
08/09/92	LCS	MSD292080810200	92.00
08/09/92	LCS DUP	MSD292080810200	95.00
08/10/92	LCS	MSD292081008350	89.00
08/10/92	LCS DUP	MSD292081008350	75.00
08/11/92	LCS	MSD292081108220	94.00
08/11/92	LCS DUP	MSD292081108220	95.00
08/17/92	LCS	MSD292081714490	89.00
08/17/92	LCS DUP	MSD292081714490	90.00
08/18/92	LCS	MSD292081808190	54.00
08/18/92	LCS DUP	MSD292081808190	62.00
08/22/92	LCS	MSD292082210460	101.00
08/22/92	LCS DUP	MSD292082210460	90.00
08/24/92	LCS	MSD292082408180	91.00
08/24/92	LCS DUP	MSD292082408180	82.00
08/12/92	LCS	MSD192081208590	83.00
08/12/92	LCS DUP	MSD192081208590	82.00
09/07/92	LCS	MSD292090710580	87.00
09/07/92	LCS DUP	MSD292090710580	88.00
09/21/92	LCS	MSD292092108300	83.00
09/21/92	LCS DUP	MSD292092108300	78.00
09/23/92	LCS	MSD292092314280	79.00
09/23/92	LCS DUP	MSD292092314280	84.00
10/14/92	LCS	MSD292101408230	93.00
10/14/92	LCS DUP	MSD292101408170	76.00
08/29/92	LCS	MSD192082911430	86.00
08/29/92	LCS DUP	MSD192082911430	77.00
08/31/92	LCS	MSD192083108300	74.00
08/31/92	LCS DUP	MSD192083108300	80.00
09/10/92	LCS DUP	MSD192091008420	79.00
09/10/92	LCS	MSD192091008420	85.00
09/10/92	LCS DUP	MSD192091008420	94.00
09/10/92	LCS	MSD192091008420	80.00
09/14/92	LCS	MSD192091409020	96.00
09/14/92	LCS DUP	MSD192091409020	91.00
09/16/92	LCS	MSD192091609020	91.00
09/16/92	LCS DUP	MSD192091609020	94.00
09/23/92	LCS	MSD192092309080	85.00
09/23/92	LCS DUP	MSD192092309080	84.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Phenol-d5 continued			
Type of Spike : Surrogate - Laboratory Control			
10/23/92	LCS	MSD292102308460	96.00
10/23/92	LCS DUP	MSD292102308460	88.00
10/14/92	LCS	MSD192101413560	35.00
10/14/92	LCS DUP	MSD192101413560	38.00
10/16/92	LCS	MSD192101609100	98.00
10/16/92	LCS DUP	MSD192101609100	95.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 84.1	Above acceptance :	0
Standard Deviation	: 13.11	Acceptance Criteria	24-113

Method : SW8270  
Spiked Analyte : Pyrene

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	91.00
07/23/92	LCS DUP	MSD292072310280	90.00
08/05/92	LCS	MSD292080508200	92.00
08/05/92	LCS DUP	MSD292080508200	81.00
08/06/92	LCS	MSD292080608290	85.00
08/06/92	LCS DUP	MSD292080608290	89.00
08/09/92	LCS	MSD292080810200	92.00
08/09/92	LCS DUP	MSD292080810200	94.00
08/10/92	LCS	MSD292081008350	89.00
08/10/92	LCS DUP	MSD292081008350	89.00
08/11/92	LCS	MSD292081108220	91.00
08/11/92	LCS DUP	MSD292081108220	92.00
08/17/92	LCS	MSD292081714490	95.00
08/17/92	LCS DUP	MSD292081714490	96.00
08/18/92	LCS	MSD292081808190	96.00
08/18/92	LCS DUP	MSD292081808190	91.00
08/22/92	LCS	MSD292082210460	113.00
08/22/92	LCS DUP	MSD292082210460	113.00
08/24/92	LCS	MSD292082408180	99.00
08/24/92	LCS DUP	MSD292082408180	100.00
08/12/92	LCS	MSD192081208590	106.00
08/12/92	LCS DUP	MSD192081208590	88.00
09/07/92	LCS	MSD292090710580	101.00
09/07/92	LCS DUP	MSD292090710580	103.00
09/21/92	LCS	MSD292092108300	96.00
09/21/92	LCS DUP	MSD292092108300	101.00
09/23/92	LCS	MSD292092314280	82.00
09/23/92	LCS DUP	MSD292092314280	88.00
10/14/92	LCS	MSD292101408230	103.00
10/14/92	LCS DUP	MSD292101408170	101.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8270

Spiked Analyte : Pyrene continued

Type of Spike : Laboratory Control

08/29/92	LCS	MSD192082911430	92.00
08/29/92	LCS DUP	MSD192082911430	81.00
08/31/92	LCS	MSD192083108300	87.00
08/31/92	LCS DUP	MSD192083108300	109.00
09/10/92	LCS DUP	MSD192091008420	110.00
09/10/92	LCS	MSD192091008420	96.00
09/10/92	LCS DUP	MSD192091008420	94.00
09/10/92	LCS	MSD192091008420	109.00
09/14/92	LCS	MSD192091409020	90.00
09/14/92	LCS DUP	MSD192091409020	92.00
09/16/92	LCS	MSD192091609020	90.00
09/16/92	LCS DUP	MSD192091609020	83.00
09/23/92	LCS	MSD192092309080	91.00
09/23/92	LCS DUP	MSD192092309080	88.00
10/23/92	LCS	MSD292102308460	99.00
10/23/92	LCS DUP	MSD292102308460	94.00
10/14/92	LCS	MSD192101413560	87.00
10/14/92	LCS DUP	MSD192101413560	91.00
10/16/92	LCS	MSD192101609100	86.00
10/16/92	LCS DUP	MSD192101609100	83.00

Number of Samples : 50  
Mean % Recovery : 94.0  
Standard Deviation : 8.14

Below acceptance : 0  
Above acceptance : 0  
Acceptance Criteria 52-115

Type of Spike : Matrix Spike

07/23/92	09-MW-04-02 MS	MSD292072310280	73.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	82.00
08/05/92	10-DS-01 MS	MSD292080508200	88.00
08/05/92	10-DS-01 MSD	MSD292080508200	88.00
08/05/92	06-DS-01 MS	MSD292080508200	80.00
08/05/92	06-DS-01 MSD	MSD292080508200	79.00
08/09/92	06-DS-02 MS	MSD292080911050	81.00
08/09/92	06-DS-02 MSD	MSD292080911050	73.00
08/11/92	05-SS-06-01 MS	MSD292081108220	78.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	84.00
08/22/92	05-MW-04-02 MS	MSD292082210460	95.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	96.00
08/12/92	05-DS-01 MS	MSD192081208590	78.00
08/12/92	05-DS-01 MSD	MSD192081208590	74.00
09/07/92	04-DS-01 MS	MSD292090710580	88.00
09/07/92	04-DS-01 MSD	MSD292090710580	91.00
09/21/92	07-SS-01-01 MS	MSD292092108300	95.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	91.00
09/24/92	07-DS-03 MSD	MSD292092408270	110.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Pyrene continued			
Type of Spike : Matrix Spike			
09/25/92	07-DS-03 MS	MSD292092508300	100.00
08/29/92	11-SS-01-01 MS	MSD192082911430	82.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	75.00
09/10/92	07-MW-03-02 MS	MSD192091008420	80.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	79.00
09/14/92	09-MW-06-02 MS	MSD192091409020	80.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	75.00
10/16/92	10-DS-02 MS	MSD192101609100	85.00
10/16/92	10-DS-02 MSD	MSD192101609100	88.00
-----			
Number of Samples		: 28	Below acceptance : 0
Mean % Recovery		: 84.6	Above acceptance : 0
Standard Deviation		: 8.95	Acceptance Criteria 52-115
Method : SW8270			
Spiked Analyte : Terphenyl-d14			
Type of Spike : Surrogate			
07/23/92	09-MW-04-02	MSD292072310280	97.00
07/23/92	09-MW-04-02 MS	MSD292072310280	90.00
07/23/92	09-MW-04-02 MSD	MSD292072310280	96.00
07/23/92	09-MW-01-02	MSD292072310280	103.00
07/23/92	09-MW-02-02	MSD292072310280	100.00
07/23/92	10-MW-02-01	MSD292072310280	106.00
07/23/92	10-MW-03-01	MSD292072310280	96.00
07/23/92	10-SB-03-01	MSD292072310280	100.00
07/23/92	10-SB-03-02	MSD292072310280	98.00
07/23/92	10-SB-03-03	MSD292072310280	96.00
08/05/92	10-DS-01	MSD292080508200	100.00
08/05/92	10-DS-01 MS	MSD292080508200	104.00
08/05/92	10-DS-01 MSD	MSD292080508200	103.00
08/05/92	10-SB-02-02	MSD292080508200	103.00
08/05/92	10-MW-01-01	MSD292080508200	104.00
08/05/92	10-SB-02-01	MSD292080508200	103.00
08/05/92	06-MW-04-02	MSD292080508200	101.00
08/05/92	06-SB-02-01	MSD292080508200	96.00
08/05/92	06-SB-02-02	MSD292080508200	96.00
08/05/92	10-SB-01-01	MSD292080508200	97.00
08/05/92	10-SB-01-02	MSD292080508200	97.00
08/05/92	06-DS-01	MSD292080508200	94.00
08/05/92	06-DS-01 MS	MSD292080508200	92.00
08/05/92	06-DS-01 MSD	MSD292080508200	94.00
08/06/92	06-MW-03-02	MSD292080608290	99.00
08/09/92	06-DS-02	MSD292080911050	99.00
08/09/92	06-DS-02 MS	MSD292080911050	97.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Terphenyl-d14 continued			
Type of Spike : Surrogate			
08/09/92	06-DS-02 MSD	MSD292080911050	89.00
08/09/92	06-SS-06-01	MSD292080911050	102.00
08/09/92	06-SB-01-01	MSD292080911050	98.00
08/09/92	06-MW-01-02	MSD292080911050	22.00
08/10/92	11-SB-01-02	MSD292081008350	100.00
08/10/92	06-SB-01-02	MSD292081008350	97.00
08/10/92	11-SB-01-01	MSD292081008350	104.00
08/10/92	06-MW-02-02	MSD292081008350	95.00
08/10/92	06-SS-04-01	MSD292081008350	101.00
08/10/92	06-SS-05-01	MSD292081008350	101.00
08/11/92	05-SS-06-01	MSD292081108220	99.00
08/11/92	05-SS-06-01 MS	MSD292081108220	97.00
08/11/92	05-SS-06-01 MSD	MSD292081108220	102.00
08/11/92	05-SS-03-01	MSD292081108220	101.00
08/11/92	05-SS-02-01	MSD292081108220	104.00
08/11/92	05-SS-01-01	MSD292081108220	100.00
08/11/92	05-SS-04-01	MSD292081108220	103.00
08/11/92	05-MW-02-02	MSD292081108220	100.00
08/22/92	05-MW-04-02	MSD292082210460	107.00
08/22/92	05-MW-04-02 MS	MSD292082210460	107.00
08/22/92	05-MW-04-02 MSD	MSD292082210460	108.00
08/22/92	05-MW-05-02	MSD292082210460	103.00
08/22/92	05-MW-06-02	MSD292082210460	104.00
08/22/92	05-SS-05-01	MSD292082210460	101.00
08/22/92	05-SS-08-01	MSD292082210460	102.00
08/22/92	05-SS-09-01	MSD292082210460	103.00
08/22/92	05-SS-07-01	MSD292082210460	98.00
08/22/92	05-SD-01-01	MSD292082210460	99.00
08/22/92	05-DS-04	MSD292082210460	98.00
08/22/92	05-SS-10-01	MSD292082210460	101.00
08/22/92	05-SS-11-01	MSD292082210460	106.00
08/22/92	05-SS-14-01	MSD292082210460	94.00
08/24/92	06-SS-01-01	MSD292082408180	125.00
08/24/92	06-SS-02-01	MSD292082408180	114.00
08/24/92	06-SS-03-01	MSD292082408180	106.00
08/24/92	05-SD-02-01	MSD292082408180	106.00
08/24/92	05-SS-13-01	MSD292082408180	114.00
08/24/92	05-DS-03	MSD292082408180	108.00
08/12/92	05-DS-01	MSD192081208590	20.00
08/12/92	05-DS-01 MS	MSD192081208590	97.00
08/12/92	05-DS-01 MSD	MSD192081208590	94.00
08/12/92	05-SB-01-03	MSD192081208590	98.00
08/12/92	05-SB-01-01	MSD192081208590	50.00
08/12/92	05-SB-01-02	MSD192081208590	95.00
08/12/92	05-SB-02-03	MSD192081208590	99.00
08/13/92	05-SB-02-01	MSD192081308540	97.00
08/13/92	05-SB-02-02	MSD192081308540	102.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Terphenyl-d14 continued			
Type of Spike : Surrogate			
08/13/92	05-SB-02-04	MSD192081308540	99.00
08/13/92	05-SB-03-01	MSD192081308540	104.00
08/13/92	05-SB-03-02	MSD192081308540	108.00
08/13/92	05-MW-03-02	MSD192081308540	108.00
08/13/92	05-MW-01-02	MSD192081308540	100.00
08/13/92	05-DS-02	MSD192081308540	99.00
09/07/92	04-DS-01	MSD292090710580	89.00
09/07/92	04-DS-01 MS	MSD292090710580	87.00
09/07/92	04-DS-01 MSD	MSD292090710580	89.00
09/07/92	04-SS-03-01	MSD292090710580	89.00
09/07/92	04-SD-01-01	MSD292090710580	89.00
09/07/92	04-SD-02-01	MSD292090710580	91.00
09/07/92	04-SS-01-01	MSD292090710580	94.00
09/07/92	04-SS-02-01	MSD292090710580	88.00
09/07/92	04-DS-02	MSD292090710580	87.00
09/07/92	04-SD-03-01	MSD292090710580	87.00
09/07/92	04-SD-04-01	MSD292090710580	90.00
09/07/92	09-MW-05-02	MSD292090710580	85.00
09/07/92	09-MW-03-02	MSD292090710580	88.00
09/07/92	04-MW-03-02	MSD292090710580	89.00
09/07/92	04-MW-02-02	MSD292090710580	89.00
09/21/92	07-SS-01-01	MSD292092108300	95.00
09/21/92	07-SS-01-01 MS	MSD292092108300	103.00
09/21/92	07-SS-01-01 MSD	MSD292092108300	99.00
09/21/92	07-SS-02-01	MSD292092108300	94.00
09/21/92	07-SS-03-01	MSD292092108300	93.00
09/21/92	07-SS-04-01	MSD292092108300	102.00
09/21/92	07-SS-05-01	MSD292092108300	96.00
09/21/92	07-DS-02	MSD292092108300	100.00
09/21/92	07-DS-03	MSD292092108300	102.00
09/21/92	07-SD-02-01	MSD292092108300	104.00
09/24/92	07-DS-03	MSD292092408270	121.00
09/24/92	07-DS-03 MSD	MSD292092408270	121.00
09/24/92	07-SD-01-01	MSD292092408270	127.00
09/25/92	07-DS-03 MS	MSD292092508300	112.00
08/29/92	11-SS-01-01	MSD192082911430	88.00
08/29/92	11-SS-01-01 MS	MSD192082911430	91.00
08/29/92	11-SS-01-01 MSD	MSD192082911430	86.00
08/31/92	05-SS-12-01	MSD192083108300	100.00
09/01/92	05-SS-15-01	MSD192083108300	93.00
09/01/92	06-SD-01-01	MSD192083108300	91.00
09/01/92	06-SD-02-01	MSD192083108300	92.00
09/10/92	07-MW-03-02	MSD192091008420	96.00
09/10/92	07-MW-03-02 MS	MSD192091008420	100.00
09/10/92	07-MW-03-02 MSD	MSD192091008420	98.00
09/10/92	07-MW-02-02	MSD192091008420	94.00
09/10/92	07-DS-01	MSD192091008420	100.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Terphenyl-d14 continued			
Type of Spike : Surrogate			
09/10/92	07-SB-01-01	MSD192091008420	98.00
09/10/92	07-SB-03-01	MSD192091008420	105.00
09/10/92	07-SB-02-01	MSD192091008420	102.00
09/10/92	07-MW-01-02	MSD192091008420	93.00
09/10/92	05-MW-04-02	MSD192091008420	99.00
09/10/92	07-MW-04-02	MSD192091008420	106.00
09/14/92	09-MW-06-02	MSD192091409020	103.00
09/14/92	09-MW-06-02 MS	MSD192091409020	95.00
09/14/92	09-MW-06-02 MSD	MSD192091409020	91.00
09/14/92	09-DS-01	MSD192091409020	106.00
09/14/92	04-MW-01-02	MSD192091409020	90.00
09/14/92	04-MW-04-02	MSD192091409020	105.00
09/23/92	09-SS-02-01	MSD192092309080	82.00
09/23/92	09-SS-01-01	MSD192092309080	101.00
09/23/92	09-SS-03-01	MSD192092309080	98.00
10/14/92	12-MW-01-02	MSD192101413560	105.00
10/14/92	12-MW-02-02	MSD192101413560	107.00
10/16/92	10-DS-02	MSD192101609100	105.00
10/16/92	10-DS-02 MS	MSD192101609100	97.00
10/16/92	10-DS-02 MSD	MSD192101609100	96.00
10/16/92	10-SS-01-01	MSD192101609100	94.00
10/16/92	10-SS-02-01	MSD192101609100	98.00
10/16/92	10-SS-03-01	MSD192101609100	92.00
10/16/92	10-SS-04-01	MSD192101609100	104.00
10/16/92	10-SS-05-01	MSD192101609100	97.00
10/16/92	10-SS-06-01	MSD192101609100	92.00
-----			
Number of Samples	: 147	Below acceptance :	0
Mean % Recovery	: 97.6	Above acceptance :	0
Standard Deviation	: 12.29	Acceptance Criteria	18-137

Type of Spike : Surrogate - Blank Sample

07/23/92	METHOD BLANK	MSD292072310280	95.00
08/05/92	METHOD BLANK	MSD292080508200	100.00
08/06/92	METHOD BLANK	MSD292080608290	101.00
08/09/92	METHOD BLANK	MSD292080911050	100.00
08/10/92	METHOD BLANK	MSD292081008350	110.00
08/11/92	METHOD BLANK	MSD292081108220	102.00
08/12/92	METHOD BLANK	MSD292081208090	97.00
08/17/92	METHOD BLANK	MSD292081714490	103.00
08/18/92	METHOD BLANK	MSD292081808190	105.00
08/22/92	METHOD BLANK	MSD292082210460	108.00
08/24/92	METHOD BLANK	MSD292082408180	108.00
08/12/92	METHOD BLANK	MSD192081208590	100.00
08/13/92	METHOD BLANK	MSD192081308540	96.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Terphenyl-d14 continued			
Type of Spike : Surrogate - Blank Sample			
09/07/92	METHOD BLANK	MSD292090710580	92.00
09/21/92	METHOD BLANK	MSD292092108300	101.00
09/23/92	METHOD BLANK	MSD292092314280	98.00
08/29/92	METHOD BLANK	MSD192082911430	84.00
08/31/92	METHOD BLANK	MSD192083108300	95.00
09/10/92	METHOD BLANK	MSD192091008420	91.00
09/14/92	METHOD BLANK	MSD192091409020	103.00
09/16/92	METHOD BLANK	MSD192091609020	107.00
09/23/92	METHOD BLANK	MSD192092309080	87.00
10/14/92	METHOD BLANK	MSD192101413560	96.00
10/16/92	METHOD BLANK	MSD192101609100	100.00
-----			
Number of Samples	: 24	Below acceptance :	0
Mean % Recovery	: 99.1	Above acceptance :	0
Standard Deviation	: 6.50	Acceptance Criteria	18-137
Type of Spike : Surrogate - Laboratory Control			
07/23/92	LCS	MSD292072310280	102.00
07/23/92	LCS DUP	MSD292072310280	103.00
08/05/92	LCS	MSD292080508200	105.00
08/05/92	LCS DUP	MSD292080508200	90.00
08/06/92	LCS	MSD292080608290	104.00
08/06/92	LCS DUP	MSD292080608290	106.00
08/09/92	LCS	MSD292080810200	102.00
08/09/92	LCS DUP	MSD292080810200	104.00
08/10/92	LCS	MSD292081008350	107.00
08/10/92	LCS DUP	MSD292081008350	105.00
08/11/92	LCS	MSD292081108220	99.00
08/11/92	LCS DUP	MSD292081108220	100.00
08/17/92	LCS	MSD292081714490	103.00
08/17/92	LCS DUP	MSD292081714490	105.00
08/18/92	LCS	MSD292081808190	106.00
08/18/92	LCS DUP	MSD292081808190	102.00
08/22/92	LCS	MSD292082210460	115.00
08/22/92	LCS DUP	MSD292082210460	117.00
08/24/92	LCS	MSD292082408180	105.00
08/24/92	LCS DUP	MSD292082408180	106.00
08/12/92	LCS	MSD192081208590	121.00
08/12/92	LCS DUP	MSD192081208590	98.00
09/07/92	LCS	MSD292090710580	88.00
09/07/92	LCS DUP	MSD292090710580	88.00
09/21/92	LCS	MSD292092108300	96.00
09/21/92	LCS DUP	MSD292092108300	98.00
09/23/92	LCS	MSD292092314280	89.00
09/23/92	LCS DUP	MSD292092314280	93.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : Terphenyl-d14 continued			
Type of Spike : Surrogate - Laboratory Control			
10/14/92	LCS	MSD292101408230	110.00
10/14/92	LCS DUP	MSD292101408170	101.00
08/29/92	LCS	MSD192082911430	89.00
08/29/92	LCS DUP	MSD192082911430	84.00
08/31/92	LCS	MSD192083108300	88.00
08/31/92	LCS DUP	MSD192083108300	103.00
09/10/92	LCS DUP	MSD192091008420	102.00
09/10/92	LCS	MSD192091008420	106.00
09/10/92	LCS DUP	MSD192091008420	103.00
09/10/92	LCS	MSD192091008420	95.00
09/14/92	LCS	MSD192091409020	107.00
09/14/92	LCS DUP	MSD192091409020	102.00
09/16/92	LCS	MSD192091609020	115.00
09/16/92	LCS DUP	MSD192091609020	113.00
09/23/92	LCS	MSD192092309080	90.00
09/23/92	LCS DUP	MSD192092309080	87.00
10/23/92	LCS	MSD292102308460	105.00
10/23/92	LCS DUP	MSD292102308460	97.00
10/14/92	LCS	MSD192101413560	102.00
10/14/92	LCS DUP	MSD192101413560	105.00
10/16/92	LCS	MSD192101609100	105.00
10/16/92	LCS DUP	MSD192101609100	96.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 101.2	Above acceptance :	0
Standard Deviation	: 8.21	Acceptance Criteria	18-137

Method : SW8270  
Spiked Analyte : bis(2-Chloroethoxy)methane

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	104.00
07/23/92	LCS DUP	MSD292072310280	99.00
08/05/92	LCS	MSD292080508200	103.00
08/05/92	LCS DUP	MSD292080508200	91.00
08/06/92	LCS	MSD292080608290	99.00
08/06/92	LCS DUP	MSD292080608290	102.00
08/09/92	LCS	MSD292080810200	108.00
08/09/92	LCS DUP	MSD292080810200	109.00
08/10/92	LCS	MSD292081008350	101.00
08/10/92	LCS DUP	MSD292081008350	97.00
08/11/92	LCS	MSD292081108220	105.00
08/11/92	LCS DUP	MSD292081108220	106.00
08/17/92	LCS	MSD292081714490	92.00
08/17/92	LCS DUP	MSD292081714490	93.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : bis(2-Chloroethoxy)methane continued			
Type of Spike : Laboratory Control			
08/18/92	LCS	MSD292081808190	91.00
08/18/92	LCS DUP	MSD292081808190	97.00
08/22/92	LCS	MSD292082210460	101.00
08/22/92	LCS DUP	MSD292082210460	102.00
08/24/92	LCS	MSD292082408180	100.00
08/24/92	LCS DUP	MSD292082408180	102.00
08/12/92	LCS	MSD192081208590	93.00
08/12/92	LCS DUP	MSD192081208590	95.00
09/07/92	LCS	MSD292090710580	94.00
09/07/92	LCS DUP	MSD292090710580	96.00
09/21/92	LCS	MSD292092108300	95.00
09/21/92	LCS DUP	MSD292092108300	95.00
09/23/92	LCS	MSD292092314280	85.00
09/23/92	LCS DUP	MSD292092314280	90.00
10/14/92	LCS	MSD292101408230	98.00
10/14/92	LCS DUP	MSD292101408170	85.00
08/29/92	LCS	MSD192082911430	95.00
08/29/92	LCS DUP	MSD192082911430	87.00
08/31/92	LCS	MSD192083108300	83.00
08/31/92	LCS DUP	MSD192083108300	87.00
09/10/92	LCS DUP	MSD192091008420	115.00
09/10/92	LCS	MSD192091008420	95.00
09/10/92	LCS DUP	MSD192091008420	97.00
09/10/92	LCS	MSD192091008420	112.00
09/14/92	LCS	MSD192091409020	91.00
09/14/92	LCS DUP	MSD192091409020	94.00
09/16/92	LCS	MSD192091609020	90.00
09/16/92	LCS DUP	MSD192091609020	88.00
09/23/92	LCS	MSD192092309080	97.00
09/23/92	LCS DUP	MSD192092309080	93.00
10/23/92	LCS	MSD292102308460	119.00
10/23/92	LCS DUP	MSD292102308460	111.00
10/14/92	LCS	MSD192101413560	74.00
10/14/92	LCS DUP	MSD192101413560	70.00
10/16/92	LCS	MSD192101609100	93.00
10/16/92	LCS DUP	MSD192101609100	87.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 96.1	Above acceptance :	0
Standard Deviation	: 9.33	Acceptance Criteria	33-184

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : bis(2-Chloroethyl)ether			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	105.00
07/23/92	LCS DUP	MSD292072310280	103.00
08/05/92	LCS	MSD292080508200	105.00
08/05/92	LCS DUP	MSD292080508200	94.00
08/06/92	LCS	MSD292080608290	102.00
08/06/92	LCS DUP	MSD292080608290	107.00
08/09/92	LCS	MSD292080810200	109.00
08/09/92	LCS DUP	MSD292080810200	113.00
08/10/92	LCS	MSD292081008350	96.00
08/10/92	LCS DUP	MSD292081008350	91.00
08/11/92	LCS	MSD292081108220	107.00
08/11/92	LCS DUP	MSD292081108220	109.00
08/17/92	LCS	MSD292081714490	88.00
08/17/92	LCS DUP	MSD292081714490	89.00
08/18/92	LCS	MSD292081808190	62.00
08/18/92	LCS DUP	MSD292081808190	91.00
08/22/92	LCS	MSD292082210460	98.00
08/22/92	LCS DUP	MSD292082210460	100.00
08/24/92	LCS	MSD292082408180	99.00
08/24/92	LCS DUP	MSD292082408180	100.00
08/12/92	LCS	MSD192081208590	100.00
08/12/92	LCS DUP	MSD192081208590	98.00
09/07/92	LCS	MSD292090710580	87.00
09/07/92	LCS DUP	MSD292090710580	88.00
09/21/92	LCS	MSD292092108300	90.00
09/21/92	LCS DUP	MSD292092108300	91.00
09/23/92	LCS	MSD292092314280	83.00
09/23/92	LCS DUP	MSD292092314280	93.00
10/14/92	LCS	MSD292101408230	94.00
10/14/92	LCS DUP	MSD292101408170	81.00
08/29/92	LCS	MSD192082911430	120.00
08/29/92	LCS DUP	MSD192082911430	101.00
08/31/92	LCS	MSD192083108300	96.00
08/31/92	LCS DUP	MSD192083108300	98.00
09/10/92	LCS DUP	MSD192091008420	134.00
09/10/92	LCS	MSD192091008420	112.00
09/10/92	LCS DUP	MSD192091008420	111.00
09/10/92	LCS	MSD192091008420	130.00
09/14/92	LCS	MSD192091409020	98.00
09/14/92	LCS DUP	MSD192091409020	110.00
09/16/92	LCS	MSD192091609020	102.00
09/16/92	LCS DUP	MSD192091609020	105.00
09/23/92	LCS	MSD192092309080	99.00
09/23/92	LCS DUP	MSD192092309080	94.00
10/23/92	LCS	MSD292102308460	110.00
10/23/92	LCS DUP	MSD292102308460	100.00
10/14/92	LCS	MSD192101413560	39.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : bis(2-Chloroethyl)ether continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	32.00
10/16/92	LCS	MSD192101609100	93.00
10/16/92	LCS DUP	MSD192101609100	92.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 97.0	Above acceptance :	0
Standard Deviation	: 17.30	Acceptance Criteria	12-158
Method : SW8270			
Spiked Analyte : bis(2-Chloroisopropyl)ether			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	84.00
07/23/92	LCS DUP	MSD292072310280	85.00
08/05/92	LCS	MSD292080508200	79.00
08/05/92	LCS DUP	MSD292080508200	70.00
08/06/92	LCS	MSD292080608290	76.00
08/06/92	LCS DUP	MSD292080608290	80.00
08/09/92	LCS	MSD292080810200	82.00
08/09/92	LCS DUP	MSD292080810200	82.00
08/10/92	LCS	MSD292081008350	71.00
08/10/92	LCS DUP	MSD292081008350	67.00
08/11/92	LCS	MSD292081108220	82.00
08/11/92	LCS DUP	MSD292081108220	78.00
08/17/92	LCS	MSD292081714490	62.00
08/17/92	LCS DUP	MSD292081714490	63.00
08/18/92	LCS	MSD292081808190	54.00
08/18/92	LCS DUP	MSD292081808190	76.00
08/22/92	LCS	MSD292082210460	68.00
08/22/92	LCS DUP	MSD292082210460	67.00
08/24/92	LCS	MSD292082408180	76.00
08/24/92	LCS DUP	MSD292082408180	76.00
08/12/92	LCS	MSD192081208590	96.00
08/12/92	LCS DUP	MSD192081208590	95.00
09/07/92	LCS	MSD292090710580	63.00
09/07/92	LCS DUP	MSD292090710580	66.00
09/21/92	LCS	MSD292092108300	69.00
09/21/92	LCS DUP	MSD292092108300	72.00
09/23/92	LCS	MSD292092314280	64.00
09/23/92	LCS DUP	MSD292092314280	73.00
10/14/92	LCS	MSD292101408230	76.00
10/14/92	LCS DUP	MSD292101408170	58.00
08/29/92	LCS	MSD192082911430	102.00
08/29/92	LCS DUP	MSD192082911430	90.00
08/31/92	LCS	MSD192083108300	91.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8270

Spiked Analyte : bis(2-Chloroisopropyl)ether continued

Type of Spike : Laboratory Control

08/31/92	LCS DUP	MSD192083108300	97.00
09/10/92	LCS DUP	MSD192091008420	126.00
09/10/92	LCS	MSD192091008420	107.00
09/10/92	LCS DUP	MSD192091008420	114.00
09/10/92	LCS	MSD192091008420	121.00
09/14/92	LCS	MSD192091409020	99.00
09/14/92	LCS DUP	MSD192091409020	101.00
09/16/92	LCS	MSD192091609020	89.00
09/16/92	LCS DUP	MSD192091609020	92.00
09/23/92	LCS	MSD192092309080	145.00
09/23/92	LCS DUP	MSD192092309080	97.00
10/23/92	LCS	MSD292102308460	131.00
10/23/92	LCS DUP	MSD292102308460	166.00
10/14/92	LCS	MSD192101413560	37.00
10/14/92	LCS DUP	MSD192101413560	25.00
10/16/92	LCS	MSD192101609100	62.00
10/16/92	LCS DUP	MSD192101609100	65.00

-----

Number of Samples	: 50
Mean % Recovery	: 83.3
Standard Deviation	: 25.20

Below acceptance :	1
Above acceptance :	0
Acceptance Criteria	36-166

Method : SW8270

Spiked Analyte : bis(2-Ethylhexyl)phthalate

Type of Spike : Laboratory Control

07/23/92	LCS	MSD292072310280	91.00
07/23/92	LCS DUP	MSD292072310280	90.00
08/05/92	LCS	MSD292080508200	93.00
08/05/92	LCS DUP	MSD292080508200	79.00
08/06/92	LCS	MSD292080608290	85.00
08/06/92	LCS DUP	MSD292080608290	90.00
08/09/92	LCS	MSD292080810200	91.00
08/09/92	LCS DUP	MSD292080810200	93.00
08/10/92	LCS	MSD292081008350	86.00
08/10/92	LCS DUP	MSD292081008350	84.00
08/11/92	LCS	MSD292081108220	89.00
08/11/92	LCS DUP	MSD292081108220	90.00
08/17/92	LCS	MSD292081714490	92.00
08/17/92	LCS DUP	MSD292081714490	93.00
08/18/92	LCS	MSD292081808190	104.00
08/18/92	LCS DUP	MSD292081808190	96.00
08/22/92	LCS	MSD292082210460	117.00
08/22/92	LCS DUP	MSD292082210460	118.00
08/24/92	LCS	MSD292082408180	107.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : bis(2-Ethylhexyl)phthalate continued			
Type of Spike : Laboratory Control			
08/24/92	LCS DUP	MSD292082408180	110.00
08/12/92	LCS	MSD192081208590	113.00
08/12/92	LCS DUP	MSD192081208590	93.00
09/07/92	LCS	MSD292090710580	103.00
09/07/92	LCS DUP	MSD292090710580	103.00
09/21/92	LCS	MSD292092108300	103.00
09/21/92	LCS DUP	MSD292092108300	108.00
09/23/92	LCS	MSD292092314280	81.00
09/23/92	LCS DUP	MSD292092314280	88.00
10/14/92	LCS	MSD292101408230	113.00
10/14/92	LCS DUP	MSD292101408170	106.00
08/29/92	LCS	MSD192082911430	96.00
08/29/92	LCS DUP	MSD192082911430	90.00
08/31/92	LCS	MSD192083108300	96.00
08/31/92	LCS DUP	MSD192083108300	100.00
09/10/92	LCS DUP	MSD192091008420	116.00
09/10/92	LCS	MSD192091008420	101.00
09/10/92	LCS DUP	MSD192091008420	96.00
09/10/92	LCS	MSD192091008420	115.00
09/14/92	LCS	MSD192091409020	95.00
09/14/92	LCS DUP	MSD192091409020	94.00
09/16/92	LCS	MSD192091609020	95.00
09/16/92	LCS DUP	MSD192091609020	86.00
09/23/92	LCS	MSD192092309080	88.00
09/23/92	LCS DUP	MSD192092309080	82.00
10/23/92	LCS	MSD292102308460	109.00
10/23/92	LCS DUP	MSD292102308460	103.00
10/14/92	LCS	MSD192101413560	101.00
10/14/92	LCS DUP	MSD192101413560	106.00
10/16/92	LCS	MSD192101609100	92.00
10/16/92	LCS DUP	MSD192101609100	85.00

Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 97.1	Above acceptance :	0
Standard Deviation	: 10.20	Acceptance Criteria	8-158

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : p-Chloroaniline			
Type of Spike : Laboratory Control			
07/23/92	LCS	MSD292072310280	110.00
07/23/92	LCS DUP	MSD292072310280	102.00
08/05/92	LCS	MSD292080508200	106.00
08/05/92	LCS DUP	MSD292080508200	97.00
08/06/92	LCS	MSD292080608290	100.00
08/06/92	LCS DUP	MSD292080608290	103.00
08/09/92	LCS	MSD292080810200	116.00
08/09/92	LCS DUP	MSD292080810200	119.00
08/10/92	LCS	MSD292081008350	107.00
08/10/92	LCS DUP	MSD292081008350	103.00
08/11/92	LCS	MSD292081108220	114.00
08/11/92	LCS DUP	MSD292081108220	112.00
08/17/92	LCS	MSD292081714490	107.00
08/17/92	LCS DUP	MSD292081714490	105.00
08/18/92	LCS	MSD292081808190	103.00
08/18/92	LCS DUP	MSD292081808190	108.00
08/22/92	LCS	MSD292082210460	124.00
08/22/92	LCS DUP	MSD292082210460	80.00
08/24/92	LCS	MSD292082408180	103.00
08/24/92	LCS DUP	MSD292082408180	106.00
08/12/92	LCS	MSD192081208590	116.00
08/12/92	LCS DUP	MSD192081208590	109.00
09/07/92	LCS	MSD292090710580	115.00
09/07/92	LCS DUP	MSD292090710580	115.00
09/21/92	LCS	MSD292092108300	116.00
09/21/92	LCS DUP	MSD292092108300	120.00
09/23/92	LCS	MSD292092314280	107.00
09/23/92	LCS DUP	MSD292092314280	114.00
10/14/92	LCS	MSD292101408230	122.00
10/14/92	LCS DUP	MSD292101408170	108.00
08/29/92	LCS	MSD192082911430	116.00
08/29/92	LCS DUP	MSD192082911430	106.00
08/31/92	LCS	MSD192083108300	94.00
08/31/92	LCS DUP	MSD192083108300	103.00
09/10/92	LCS DUP	MSD192091008420	140.00
09/10/92	LCS	MSD192091008420	105.00
09/10/92	LCS DUP	MSD192091008420	102.00
09/10/92	LCS	MSD192091008420	137.00
09/14/92	LCS	MSD192091409020	116.00
09/14/92	LCS DUP	MSD192091409020	122.00
09/16/92	LCS	MSD192091609020	119.00
09/16/92	LCS DUP	MSD192091609020	119.00
09/23/92	LCS	MSD192092309080	121.00
09/23/92	LCS DUP	MSD192092309080	116.00
10/23/92	LCS	MSD292102308460	130.00
10/23/92	LCS DUP	MSD292102308460	121.00
10/14/92	LCS	MSD192101413560	93.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8270			
Spiked Analyte : p-Chloroaniline continued			
Type of Spike : Laboratory Control			
10/14/92	LCS DUP	MSD192101413560	92.00
10/16/92	LCS	MSD192101609100	116.00
10/16/92	LCS DUP	MSD192101609100	110.00
-----			
Number of Samples	: 50	Below acceptance :	0
Mean % Recovery	: 110.9	Above acceptance :	0
Standard Deviation	: 11.01	Acceptance Criteria	NS
-----			
Method : SW8310			
Spiked Analyte : Acenaphthene			
Type of Spike : Laboratory Control			
07/30/92	LCS	LCC92073012-2	71.00
07/30/92	LCS DUP	LCC92073012-2	68.00
08/19/92	LCS	LCC92081912-3	66.00
08/19/92	LCS DUP	LCC92081912-3	54.00
08/24/92	LCS	LCC92082412-1	96.00
08/24/92	LCS DUP	LCC92082412-1	89.00
09/04/92	LCS	LCC92090412-1	60.00
09/04/92	LCS DUP	LCC92090412-1	54.00
09/26/92	LCS	LCC92092512-16	44.00
09/26/92	LCS DUP	LCC92092512-16	63.00
09/27/92	LCS	LCC92092612-53	74.00
09/27/92	LCS DUP	LCC92092612-53	75.00
10/03/92	LCS	LCC92100312-1	72.00
10/03/92	LCS DUP	LCC92100312-1	77.00
10/02/92	LCS	LCC92100212-1	69.00
10/02/92	LCS DUP	LCC92100212-1	29.00
-----			
Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 66.3	Above acceptance :	0
Standard Deviation	: 16.23	Acceptance Criteria	D-124
-----			
Type of Spike : Matrix Spike			
07/30/92	10-DS-01 MSD	LCC92073012-2	67.00
07/30/92	10-DS-01 MS	LCC92073012-2	58.00
08/19/92	01-SS-07-01 MS	LCC92081912-3	0.00
08/19/92	01-SS-07-01 MSD	LCC92081912-3	0.00
08/25/92	07-MW-03-02 MS	LCC92082412-1	0.00
08/25/92	07-MW-03-02 MSD	LCC92082412-1	0.00
09/04/92	04-MW-01-02 MS	LCC92090412-1	25.00
09/04/92	04-MW-01-02 MSD	LCC92090412-1	20.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8310

Spiked Analyte : Acenaphthene continued

Type of Spike : Matrix Spike

09/26/92	04-DS-01 MS	LCC92092512-15	17.00
09/26/92	04-DS-01 MSD	LCC92092512-16	11.00
10/03/92	07-SS-01-01 MS	LCC92100312-1	202.00
10/04/92	07-SS-01-01 MSD	LCC92100312-1	195.00
10/02/92	10-SS-01-01 MS	LCC92100212-1	59.00
10/02/92	10-SS-01-01 MSD	LCC92100212-1	14.00

Number of Samples	: 14	Below acceptance :	4
Mean % Recovery	: 47.7	Above acceptance :	2
Standard Deviation	: 67.89	Acceptance Criteria	D-124

Method : SW8310

Spiked Analyte : Acenaphthylene

Type of Spike : Laboratory Control

07/30/92	LCS	LCC92073012-2	74.00
07/30/92	LCS DUP	LCC92073012-2	72.00
07/30/92	LCS DUP	LCC92073012-2	71.00
08/19/92	LCS	LCC92081912-3	65.00
08/19/92	LCS DUP	LCC92081912-3	63.00
08/24/92	LCS	LCC92082412-1	102.00
08/24/92	LCS DUP	LCC92082412-1	93.00
09/04/92	LCS	LCC92090412-1	57.00
09/04/92	LCS DUP	LCC92090412-1	50.00
09/26/92	LCS	LCC92092512-16	44.00
09/26/92	LCS DUP	LCC92092512-16	61.00
09/27/92	LCS	LCC92092612-53	73.00
09/27/92	LCS DUP	LCC92092612-53	69.00
10/03/92	LCS	LCC92100312-1	72.00
10/03/92	LCS DUP	LCC92100312-1	72.00
10/02/92	LCS	LCC92100212-1	82.00
10/02/92	LCS DUP	LCC92100212-1	33.00

Number of Samples	: 17	Below acceptance :	0
Mean % Recovery	: 67.8	Above acceptance :	0
Standard Deviation	: 16.63	Acceptance Criteria	D-139

Type of Spike : Matrix Spike

07/30/92	10-DS-01 MSD	LCC92073012-2	66.00
07/30/92	10-DS-01 MS	LCC92073012-2	56.00
08/19/92	01-SS-07-01 MS	LCC92081912-3	38.00
08/19/92	01-SS-07-01 MSD	LCC92081912-3	46.00
08/25/92	07-MW-03-02 MS	LCC92082412-1	65.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8310			
Spiked Analyte : Acenaphthylene continued			
Type of Spike : Matrix Spike			
08/25/92	07-MW-03-02 MSD	LCC92082412-1	74.00
09/04/92	04-MW-01-02 MS	LCC92090412-1	19.00
09/04/92	04-MW-01-02 MSD	LCC92090412-1	15.00
09/26/92	04-DS-01 MS	LCC92092512-15	15.00
09/26/92	04-DS-01 MSD	LCC92092512-16	11.00
10/03/92	07-SS-01-01 MS	LCC92100312-1	73.00
10/04/92	07-SS-01-01 MSD	LCC92100312-1	78.00
10/02/92	10-SS-01-01 MS	LCC92100212-1	78.00
10/02/92	10-SS-01-01 MSD	LCC92100212-1	29.00

Number of Samples	: 14	Below acceptance :	0
Mean % Recovery	: 47.4	Above acceptance :	0
Standard Deviation	: 25.76	Acceptance Criteria	D-139

Method : SW8310  
 Spiked Analyte : Anthracene  
 Type of Spike : Laboratory Control

07/30/92	LCS	LCC92073012-2	75.00
07/30/92	LCS DUP	LCC92073012-2	74.00
08/19/92	LCS	LCC92081912-3	58.00
08/19/92	LCS DUP	LCC92081912-3	53.00
08/24/92	LCS	LCC92082412-1	94.00
08/24/92	LCS DUP	LCC92082412-1	93.00
09/04/92	LCS	LCC92090412-1	55.00
09/04/92	LCS DUP	LCC92090412-1	46.00
09/26/92	LCS	LCC92092512-16	36.00
09/26/92	LCS DUP	LCC92092512-16	51.00
09/27/92	LCS	LCC92092612-53	61.00
09/27/92	LCS DUP	LCC92092612-53	58.00
10/03/92	LCS	LCC92100312-1	58.00
10/03/92	LCS DUP	LCC92100312-1	57.00
10/02/92	LCS	LCC92100212-1	69.00
10/02/92	LCS DUP	LCC92100212-1	24.00

Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 60.1	Above acceptance :	0
Standard Deviation	: 18.24	Acceptance Criteria	D-126

Type of Spike : Matrix Spike

07/30/92	10-DS-01 MSD	LCC92073012-2	78.00
07/30/92	10-DS-01 MS	LCC92073012-2	68.00
08/19/92	01-SS-07-01 MS	LCC92081912-3	60.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
---------------------------	--------------------	-----------------	------------------------

Method : SW8310

Spiked Analyte : Anthracene continued

Type of Spike : Matrix Spike

08/19/92	01-SS-07-01 MSD	LCC92081912-3	89.00
08/25/92	07-MW-03-02 MS	LCC92082412-1	72.00
08/25/92	07-MW-03-02 MSD	LCC92082412-1	83.00
09/04/92	04-MW-01-02 MS	LCC92090412-1	47.00
09/04/92	04-MW-01-02 MSD	LCC92090412-1	31.00
09/26/92	04-DS-01 MS	LCC92092512-15	20.00
09/26/92	04-DS-01 MSD	LCC92092512-16	16.00
10/03/92	07-SS-01-01 MS	LCC92100312-1	61.00
10/04/92	07-SS-01-01 MSD	LCC92100312-1	59.00
10/02/92	10-SS-01-01 MS	LCC92100212-1	54.00
10/02/92	10-SS-01-01 MSD	LCC92100212-1	33.00

Number of Samples	: 14	Below acceptance :	0
Mean % Recovery	: 55.1	Above acceptance :	0
Standard Deviation	: 23.00	Acceptance Criteria	D-126

Method : SW8310

Spiked Analyte : Benzo(a)anthracene

Type of Spike : Laboratory Control

07/30/92	LCS	LCC92073012-2	70.00
07/30/92	LCS DUP	LCC92073012-2	72.00
08/19/92	LCS	LCC92081912-3	69.00
08/19/92	LCS DUP	LCC92081912-3	67.00
08/24/92	LCS	LCC92082412-1	96.00
08/24/92	LCS DUP	LCC92082412-1	97.00
09/04/92	LCS	LCC92090412-1	68.00
09/04/92	LCS DUP	LCC92090412-1	53.00
09/26/92	LCS	LCC92092512-16	42.00
09/26/92	LCS DUP	LCC92092512-16	59.00
09/27/92	LCS	LCC92092612-53	59.00
09/27/92	LCS DUP	LCC92092612-53	56.00
10/03/92	LCS	LCC92100312-1	58.00
10/03/92	LCS DUP	LCC92100312-1	59.00
10/02/92	LCS	LCC92100212-1	64.00
10/02/92	LCS DUP	LCC92100212-1	29.00

Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 63.6	Above acceptance :	0
Standard Deviation	: 16.86	Acceptance Criteria	D-135

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8310			
Spiked Analyte : Benzo(a)pyrene			
Type of Spike : Laboratory Control			
07/30/92	LCS	LCC92073012-2	62.00
07/30/92	LCS DUP	LCC92073012-2	62.00
08/19/92	LCS	LCC92081912-3	52.00
08/19/92	LCS DUP	LCC92081912-3	46.00
08/24/92	LCS	LCC92082412-1	83.00
08/24/92	LCS DUP	LCC92082412-1	82.00
09/04/92	LCS	LCC92090412-1	58.00
09/04/92	LCS DUP	LCC92090412-1	45.00
09/26/92	LCS	LCC92092512-16	28.00
09/26/92	LCS DUP	LCC92092512-16	39.00
09/27/92	LCS	LCC92092612-53	50.00
09/27/92	LCS DUP	LCC92092612-53	57.00
10/03/92	LCS	LCC92100312-1	53.00
10/03/92	LCS DUP	LCC92100312-1	58.00
10/02/92	LCS	LCC92100212-1	65.00
10/02/92	LCS DUP	LCC92100212-1	26.00

Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 54.1	Above acceptance :	0
Standard Deviation	: 15.84	Acceptance Criteria	D-128

Method : SW8310  
Spiked Analyte : Benzo(b)fluoranthene

Type of Spike : Laboratory Control

07/30/92	LCS	LCC92073012-2	75.00
07/30/92	LCS DUP	LCC92073012-2	74.00
08/19/92	LCS	LCC92081912-3	72.00
08/19/92	LCS DUP	LCC92081912-3	72.00
08/24/92	LCS	LCC92082412-1	103.00
08/24/92	LCS DUP	LCC92082412-1	103.00
09/04/92	LCS	LCC92090412-1	86.00
09/04/92	LCS DUP	LCC92090412-1	64.00
09/26/92	LCS	LCC92092512-16	50.00
09/26/92	LCS DUP	LCC92092512-16	81.00
09/27/92	LCS	LCC92092612-53	71.00
09/27/92	LCS DUP	LCC92092612-53	68.00
10/03/92	LCS	LCC92100312-1	66.00
10/03/92	LCS DUP	LCC92100312-1	75.00
10/02/92	LCS	LCC92100212-1	79.00
10/02/92	LCS DUP	LCC92100212-1	34.00
Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 73.3	Above acceptance :	0
Standard Deviation	: 16.91	Acceptance Criteria	D-150

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8310			
Spiked Analyte : Benzo(g,h,i)perylene			
Type of Spike : Laboratory Control			
07/30/92	LCS	LCC92073012-2	58.00
07/30/92	LCS DUP	LCC92073012-2	58.00
08/19/92	LCS	LCC92081912-3	66.00
08/19/92	LCS DUP	LCC92081912-3	63.00
08/24/92	LCS	LCC92082412-1	93.00
08/24/92	LCS DUP	LCC92082412-1	97.00
09/04/92	LCS	LCC92090412-1	65.00
09/04/92	LCS DUP	LCC92090412-1	56.00
09/26/92	LCS	LCC92092512-16	44.00
09/26/92	LCS DUP	LCC92092512-16	68.00
09/27/92	LCS	LCC92092612-53	64.00
09/27/92	LCS DUP	LCC92092612-53	61.00
10/03/92	LCS	LCC92100312-1	58.00
10/03/92	LCS DUP	LCC92100312-1	60.00
10/02/92	LCS	LCC92100212-1	59.00
10/02/92	LCS DUP	LCC92100212-1	25.00

Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 62.2	Above acceptance :	0
Standard Deviation	: 16.42	Acceptance Criteria	D-116

Method : SW8310  
Spiked Analyte : Benzo(k)fluoranthene

Type of Spike : Laboratory Control

07/30/92	LCS	LCC92073012-2	72.00
07/30/92	LCS DUP	LCC92073012-2	71.00
08/19/92	LCS	LCC92081912-3	66.00
08/19/92	LCS DUP	LCC92081912-3	64.00
08/24/92	LCS	LCC92082412-1	91.00
08/24/92	LCS DUP	LCC92082412-1	92.00
09/04/92	LCS	LCC92090412-1	65.00
09/04/92	LCS DUP	LCC92090412-1	50.00
09/26/92	LCS	LCC92092512-16	43.00
09/26/92	LCS DUP	LCC92092512-16	64.00
09/27/92	LCS	LCC92092612-53	60.00
09/27/92	LCS DUP	LCC92092612-53	57.00
10/03/92	LCS	LCC92100312-1	60.00
10/03/92	LCS DUP	LCC92100312-1	58.00
10/02/92	LCS	LCC92100212-1	66.00
10/02/92	LCS DUP	LCC92100212-1	24.00

Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 62.7	Above acceptance :	0
Standard Deviation	: 16.25	Acceptance Criteria	D-159

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8310			
Spiked Analyte : Benzo(k)fluoranthene continued			
Type of Spike : Matrix Spike			
Type of Spike : Matrix Spike			
07/30/92	10-DS-01 MSD	LCC92073012-2	54.00
07/30/92	10-DS-01 MS	LCC92073012-2	45.00
08/19/92	01-SS-07-01 MS	LCC92081912-3	77.00
08/19/92	01-SS-07-01 MSD	LCC92081912-3	84.00
08/25/92	07-MW-03-02 MS	LCC92082412-1	93.00
08/25/92	07-MW-03-02 MSD	LCC92082412-1	115.00
09/04/92	04-MW-01-02 MS	LCC92090412-1	63.00
09/04/92	04-MW-01-02 MSD	LCC92090412-1	44.00
09/26/92	04-DS-01 MS	LCC92092512-15	23.00
09/26/92	04-DS-01 MSD	LCC92092512-16	17.00
10/03/92	07-SS-01-01 MS	LCC92100312-1	72.00
10/04/92	07-SS-01-01 MSD	LCC92100312-1	62.00
10/02/92	10-SS-01-01 MS	LCC92100212-1	60.00
10/02/92	10-SS-01-01 MSD	LCC92100212-1	57.00

Number of Samples	: 14	Below acceptance :	0
Mean % Recovery	: 61.9	Above acceptance :	0
Standard Deviation	: 26.06	Acceptance Criteria	D-159

Method : SW8310  
 Spiked Analyte : Chrysene  
 Type of Spike : Laboratory Control

07/30/92	LCS	LCC92073012-2	73.00
07/30/92	LCS DUP	LCC92073012-2	75.00
08/19/92	LCS	LCC92081912-3	72.00
08/19/92	LCS DUP	LCC92081912-3	71.00
08/24/92	LCS	LCC92082412-1	100.00
08/24/92	LCS DUP	LCC92082412-1	100.00
09/04/92	LCS	LCC92090412-1	81.00
09/04/92	LCS DUP	LCC92090412-1	51.00
09/26/92	LCS	LCC92092512-16	44.00
09/26/92	LCS DUP	LCC92092512-16	80.00
09/27/92	LCS	LCC92092612-53	73.00
09/27/92	LCS DUP	LCC92092612-53	74.00
10/03/92	LCS	LCC92100312-1	75.00
10/03/92	LCS DUP	LCC92100312-1	78.00
10/02/92	LCS	LCC92100212-1	82.00
10/02/92	LCS DUP	LCC92100212-1	31.00

Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 72.5	Above acceptance :	0
Standard Deviation	: 17.84	Acceptance Criteria	D-199

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8310			
Spiked Analyte : Chrysene continued			
Type of Spike : Laboratory Control			
Method : SW8310			
Spiked Analyte : Dibenzo(a,h)anthracene			
Type of Spike : Laboratory Control			
07/30/92	LCS	LCC92073012-2	59.00
07/30/92	LCS DUP	LCC92073012-2	59.00
08/19/92	LCS	LCC92081912-3	64.00
08/19/92	LCS DUP	LCC92081912-3	61.00
08/24/92	LCS	LCC92082412-1	87.00
08/24/92	LCS DUP	LCC92082412-1	86.00
09/04/92	LCS	LCC92090412-1	64.00
09/04/92	LCS DUP	LCC92090412-1	50.00
09/26/92	LCS	LCC92092512-16	44.00
09/26/92	LCS DUP	LCC92092512-16	65.00
09/27/92	LCS	LCC92092612-53	60.00
09/27/92	LCS DUP	LCC92092612-53	56.00
10/03/92	LCS	LCC92100312-1	64.00
10/03/92	LCS DUP	LCC92100312-1	57.00
10/02/92	LCS	LCC92100212-1	58.00
10/02/92	LCS DUP	LCC92100212-1	21.00
-----			
Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 59.7	Above acceptance :	0
Standard Deviation	: 15.02	Acceptance Criteria	D-110
Type of Spike : Matrix Spike			
07/30/92	10-DS-01 MSD	LCC92073012-2	53.00
07/30/92	10-DS-01 MS	LCC92073012-2	45.00
08/19/92	01-SS-07-01 MS	LCC92081912-3	59.00
08/19/92	01-SS-07-01 MSD	LCC92081912-3	59.00
08/25/92	07-MW-03-02 MS	LCC92082412-1	68.00
08/25/92	07-MW-03-02 MSD	LCC92082412-1	82.00
09/04/92	04-MW-01-02 MS	LCC92090412-1	55.00
09/04/92	04-MW-01-02 MSD	LCC92090412-1	36.00
09/26/92	04-DS-01 MS	LCC92092512-15	25.00
09/26/92	04-DS-01 MSD	LCC92092512-16	17.00
10/03/92	07-SS-01-01 MS	LCC92100312-1	62.00
10/04/92	07-SS-01-01 MSD	LCC92100312-1	50.00
10/02/92	10-SS-01-01 MS	LCC92100212-1	48.00
10/02/92	10-SS-01-01 MSD	LCC92100212-1	51.00
Number of Samples	: 14	Below acceptance :	0
Mean % Recovery	: 50.7	Above acceptance :	0

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8310			
Spiked Analyte : Dibenzo(a,h)anthracene continued			
Type of Spike : Matrix Spike			
Standard Deviation	: 16.69	Acceptance Criteria	D-110
Method : SW8310			
Spiked Analyte : Fluoranthene			
Type of Spike : Laboratory Control			
07/30/92	LCS	LCC92073012-2	74.00
07/30/92	LCS DUP	LCC92073012-2	73.00
08/19/92	LCS	LCC92081912-3	68.00
08/19/92	LCS DUP	LCC92081912-3	63.00
08/24/92	LCS	LCC92082412-1	100.00
08/24/92	LCS DUP	LCC92082412-1	99.00
09/04/92	LCS	LCC92090412-1	68.00
09/04/92	LCS DUP	LCC92090412-1	52.00
09/26/92	LCS	LCC92092512-16	37.00
09/26/92	LCS DUP	LCC92092512-16	60.00
09/27/92	LCS	LCC92092612-53	62.00
09/27/92	LCS DUP	LCC92092612-53	61.00
10/03/92	LCS	LCC92100312-1	61.00
10/03/92	LCS DUP	LCC92100312-1	62.00
10/02/92	LCS	LCC92100212-1	65.00
10/02/92	LCS DUP	LCC92100212-1	29.00
-----			
Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 64.6	Above acceptance :	0
Standard Deviation	: 18.02	Acceptance Criteria	D-123
Method : SW8310			
Spiked Analyte : Fluorene			
Type of Spike : Laboratory Control			
07/30/92	LCS	LCC92073012-2	73.00
07/30/92	LCS DUP	LCC92073012-2	70.00
08/19/92	LCS	LCC92081912-3	64.00
08/19/92	LCS DUP	LCC92081912-3	57.00
08/24/92	LCS	LCC92082412-1	107.00
08/24/92	LCS DUP	LCC92082412-1	99.00
09/04/92	LCS	LCC92090412-1	56.00
09/04/92	LCS DUP	LCC92090412-1	41.00
09/26/92	LCS	LCC92092512-16	39.00
09/26/92	LCS DUP	LCC92092512-16	57.00
09/27/92	LCS	LCC92092612-53	65.00
09/27/92	LCS DUP	LCC92092612-53	64.00



TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8310			
Spiked Analyte : Fluorene continued			
Type of Spike : Laboratory Control			
10/03/92	LCS	LCC92100312-1	64.00
10/03/92	LCS DUP	LCC92100312-1	66.00
10/02/92	LCS	LCC92100212-1	71.00
10/02/92	LCS DUP	LCC92100212-1	25.00
-----			
Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 63.6	Above acceptance :	0
Standard Deviation	: 20.13	Acceptance Criteria	D-142
Type of Spike : Matrix Spike			
07/30/92	10-DS-01 MSD	LCC92073012-2	85.00
07/30/92	10-DS-01 MS	LCC92073012-2	74.00
08/19/92	01-SS-07-01 MS	LCC92081912-3	45.00
08/19/92	01-SS-07-01 MSD	LCC92081912-3	61.00
08/25/92	07-MW-03-02 MS	LCC92082412-1	86.00
08/25/92	07-MW-03-02 MSD	LCC92082412-1	97.00
09/04/92	04-MW-01-02 MS	LCC92090412-1	42.00
09/04/92	04-MW-01-02 MSD	LCC92090412-1	31.00
09/26/92	04-DS-01 MS	LCC92092512-15	23.00
09/26/92	04-DS-01 MSD	LCC92092512-16	18.00
10/03/92	07-SS-01-01 MS	LCC92100312-1	76.00
10/04/92	07-SS-01-01 MSD	LCC92100312-1	73.00
10/02/92	10-SS-01-01 MS	LCC92100212-1	57.00
10/02/92	10-SS-01-01 MSD	LCC92100212-1	22.00
-----			
Number of Samples	: 14	Below acceptance :	0
Mean % Recovery	: 56.4	Above acceptance :	0
Standard Deviation	: 26.44	Acceptance Criteria	D-142
Method : SW8310			
Spiked Analyte : Indeno(1,2,3-cd)pyrene			
Type of Spike : Laboratory Control			
07/30/92	LCS	LCC92073012-2	97.00
07/30/92	LCS	LCC92073012-2	96.00
07/30/92	LCS DUP	LCC92073012-2	95.00
08/19/92	LCS	LCC92081912-3	81.00
08/19/92	LCS DUP	LCC92081912-3	80.00
08/24/92	LCS	LCC92082412-1	125.00
08/24/92	LCS DUP	LCC92082412-1	124.00
09/04/92	LCS	LCC92090412-1	91.00
09/04/92	LCS DUP	LCC92090412-1	68.00
09/26/92	LCS	LCC92092512-16	48.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8310			
Spiked Analyte : Indeno(1,2,3-cd)pyrene continued			
Type of Spike : Laboratory Control			
09/26/92	LCS DUP	LCC92092512-16	34.00
09/27/92	LCS	LCC92092612-53	68.00
09/27/92	LCS DUP	LCC92092612-53	65.00
10/03/92	LCS	LCC92100312-1	67.00
10/03/92	LCS DUP	LCC92100312-1	68.00
10/02/92	LCS	LCC92100212-1	74.00
10/02/92	LCS DUP	LCC92100212-1	26.00

Number of Samples	: 17	Below acceptance :	0
Mean % Recovery	: 76.9	Above acceptance :	2
Standard Deviation	: 26.93	Acceptance Criteria	D-116

Method : SW8310  
Spiked Analyte : Naphthalene

Type of Spike : Laboratory Control

07/30/92	LCS	LCC92073012-2	78.00
07/30/92	LCS DUP	LCC92073012-2	74.00
08/19/92	LCS	LCC92081912-3	76.00
08/19/92	LCS DUP	LCC92081912-3	44.00
08/24/92	LCS	LCC92082412-1	112.00
08/24/92	LCS DUP	LCC92082412-1	99.00
09/04/92	LCS	LCC92090412-1	70.00
09/04/92	LCS DUP	LCC92090412-1	68.00
09/26/92	LCS	LCC92092512-16	40.00
09/26/92	LCS DUP	LCC92092512-16	58.00
09/27/92	LCS	LCC92092612-53	65.00
09/27/92	LCS DUP	LCC92092612-53	68.00
10/03/92	LCS	LCC92100312-1	64.00
10/03/92	LCS DUP	LCC92100312-1	71.00
10/02/92	LCS	LCC92100212-1	84.00
10/02/92	LCS DUP	LCC92100212-1	40.00

Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 69.4	Above acceptance :	0
Standard Deviation	: 19.33	Acceptance Criteria	D-122

Type of Spike : Matrix Spike

07/30/92	10-DS-01 MSD	LCC92073012-2	94.00
07/30/92	10-DS-01 MS	LCC92073012-2	77.00
08/19/92	01-SS-07-01 MS	LCC92081912-3	67.00
08/19/92	01-SS-07-01 MSD	LCC92081912-3	56.00
08/25/92	07-MW-03-02 MS	LCC92082412-1	108.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8310			
Spiked Analyte : Naphthalene continued			
Type of Spike : Matrix Spike			
08/25/92	07-MW-03-02 MSD	LCC92082412-1	116.00
09/04/92	04-MW-01-02 MS	LCC92090412-1	0.00
09/04/92	04-MW-01-02 MSD	LCC92090412-1	9.00
09/26/92	04-DS-01 MS	LCC92092512-15	11.00
09/26/92	04-DS-01 MSD	LCC92092512-16	9.00
10/03/92	07-SS-01-01 MS	LCC92100312-1	60.00
10/04/92	07-SS-01-01 MSD	LCC92100312-1	38.00
10/02/92	10-SS-01-01 MS	LCC92100212-1	73.00
10/02/92	10-SS-01-01 MSD	LCC92100212-1	0.00
-----			
Number of Samples	: 14	Below acceptance :	2
Mean % Recovery	: 51.3	Above acceptance :	0
Standard Deviation	: 40.52	Acceptance Criteria	D-122
Method : SW8310			
Spiked Analyte : Phenanthrene			
Type of Spike : Laboratory Control			
07/30/92	LCS	LCC92073012-2	67.00
07/30/92	LCS DUP	LCC92073012-2	64.00
08/19/92	LCS	LCC92081912-3	68.00
08/19/92	LCS DUP	LCC92081912-3	58.00
08/24/92	LCS	LCC92082412-1	100.00
08/24/92	LCS DUP	LCC92082412-1	99.00
09/04/92	LCS	LCC92090412-1	56.00
09/04/92	LCS DUP	LCC92090412-1	47.00
09/26/92	LCS	LCC92092512-16	41.00
09/26/92	LCS DUP	LCC92092512-16	56.00
09/27/92	LCS	LCC92092612-53	63.00
09/27/92	LCS DUP	LCC92092612-53	63.00
10/03/92	LCS	LCC92100312-1	65.00
10/03/92	LCS DUP	LCC92100312-1	66.00
10/02/92	LCS	LCC92100212-1	65.00
10/02/92	LCS DUP	LCC92100212-1	27.00
-----			
Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 62.8	Above acceptance :	0
Standard Deviation	: 18.04	Acceptance Criteria	D-155
Type of Spike : Matrix Spike			
07/30/92	10-DS-01 MSD	LCC92073012-2	54.00
07/30/92	10-DS-01 MS	LCC92073012-2	45.00
08/19/92	01-SS-07-01 MS	LCC92081912-3	45.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8310			
Spiked Analyte : Phenanthrene continued			
Type of Spike : Matrix Spike			
08/19/92	01-SS-07-01 MSD	LCC92081912-3	73.00
08/25/92	07-MW-03-02 MS	LCC92082412-1	62.00
08/25/92	07-MW-03-02 MSD	LCC92082412-1	72.00
09/04/92	04-MW-01-02 MS	LCC92090412-1	45.00
09/04/92	04-MW-01-02 MSD	LCC92090412-1	33.00
09/26/92	04-DS-01 MS	LCC92092512-15	23.00
09/26/92	04-DS-01 MSD	LCC92092512-16	19.00
10/03/92	07-SS-01-01 MS	LCC92100312-1	280.00
10/04/92	07-SS-01-01 MSD	LCC92100312-1	288.00
10/02/92	10-SS-01-01 MS	LCC92100212-1	114.00
10/02/92	10-SS-01-01 MSD	LCC92100212-1	49.00

Number of Samples	: 14	Below acceptance :	0
Mean % Recovery	: 85.9	Above acceptance :	2
Standard Deviation	: 87.21	Acceptance Criteria	D-155

Method : SW8310  
Spiked Analyte : Pyrene

Type of Spike : Laboratory Control

07/30/92	LCS	LCC92073012-2	64.00
07/30/92	LCS DUP	LCC92073012-2	63.00
08/19/92	LCS	LCC92081912-3	63.00
08/19/92	LCS DUP	LCC92081912-3	58.00
08/24/92	LCS	LCC92082412-1	91.00
08/24/92	LCS DUP	LCC92082412-1	88.00
09/04/92	LCS	LCC92090412-1	58.00
09/04/92	LCS DUP	LCC92090412-1	45.00
09/26/92	LCS	LCC92092512-16	38.00
09/26/92	LCS DUP	LCC92092512-16	57.00
09/27/92	LCS	LCC92092612-53	61.00
09/27/92	LCS DUP	LCC92092612-53	61.00
10/03/92	LCS	LCC92100312-1	63.00
10/03/92	LCS DUP	LCC92100312-1	64.00
10/02/92	LCS	LCC92100212-1	63.00
10/02/92	LCS DUP	LCC92100212-1	26.00

Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 60.2	Above acceptance :	0
Standard Deviation	: 15.70	Acceptance Criteria	D-140

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8310			
Spiked Analyte : Terphenyl-d14			
Type of Spike : Surrogate			
07/30/92	10-DS-01 MSD	LCC92073012-2	62.00
07/30/92	10-MW-02-01	LCC92073012-2	42.00
07/30/92	10-MW-03-01	LCC92073012-2	65.00
07/30/92	10-SB-03-01	LCC92073012-2	42.00
07/30/92	10-SB-03-02	LCC92073012-2	51.00
07/30/92	10-SB-03-03	LCC92073012-2	75.00
07/30/92	10-SB-02-02	LCC92073012-2	66.00
07/31/92	10-MW-01-01	LCC92073012-2	56.00
07/31/92	10-SB-02-01	LCC92073012-2	49.00
07/31/92	10-SB-01-01	LCC92073012-2	50.00
07/31/92	10-SB-01-02	LCC92073012-2	59.00
07/30/92	10-DS-01	LCC92073012-2	52.00
07/30/92	10-DS-01 MS	LCC92073012-2	51.00
08/19/92	01-SS-07-01	LCC92081912-3	77.00
08/19/92	01-SS-07-01 MS	LCC92081912-3	68.00
08/19/92	01-SS-07-01 MSD	LCC92081912-3	71.00
08/20/92	01-SS-01-01	LCC92081912-3	47.00
08/20/92	01-SS-02-01	LCC92081912-3	59.00
08/20/92	01-SS-03-01	LCC92081912-3	48.00
08/20/92	01-SS-04-01	LCC92081912-3	36.00
08/20/92	01-SS-05-01	LCC92081912-3	71.00
08/20/92	01-SS-06-01	LCC92081912-3	25.00
08/20/92	01-DS-02	LCC92081912-3	92.00
08/20/92	01-SS-09-01	LCC92081912-3	44.00
08/20/92	01-SS-10-01	LCC92081912-3	59.00
08/25/92	07-MW-03-02	LCC92082412-1	91.00
08/25/92	07-MW-03-02 MS	LCC92082412-1	90.00
08/25/92	07-MW-03-02 MSD	LCC92082412-1	99.00
08/25/92	01-SB-02-01	LCC92082412-1	110.00
08/25/92	01-SB-02-02	LCC92082412-1	105.00
08/25/92	01-SS-08-01	LCC92082412-1	72.00
08/25/92	01-SB-01-01	LCC92082412-1	62.00
08/25/92	07-MW-02-02	LCC92082412-1	41.00
08/26/92	07-DS-01	LCC92082412-1	82.00
09/04/92	04-MW-01-02	LCC92090412-1	71.00
09/04/92	04-MW-04-02	LCC92090412-1	59.00
09/04/92	04-MW-01-02 MS	LCC92090412-1	74.00
09/04/92	04-MW-01-02 MSD	LCC92090412-1	64.00
09/16/92	01-SB-02-03	LCC92091612-1	170.00
09/16/92	01-MW-02-02	LCC92091612-1	100.00
09/16/92	01-SB-01-02	LCC92091612-1	90.00
09/16/92	01-SB-01-03	LCC92091612-1	87.00
09/16/92	07-MW-04-02	LCC92091612-1	106.00
09/16/92	07-SB-01-01	LCC92091612-1	95.00
09/16/92	07-SB-03-01	LCC92091612-1	85.00
09/16/92	07-SB-02-01	LCC92091612-1	111.00
09/16/92	07-MW-01-02	LCC92091612-1	75.00

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8310			
Spiked Analyte : Terphenyl-d14 continued			
Type of Spike : Surrogate			
09/26/92	04-DS-01	LCC92092512-16	29.00
09/26/92	04-DS-01 MS	LCC92092512-15	45.00
09/26/92	04-DS-01 MSD	LCC92092512-16	39.00
09/26/92	04-SD-03-01	LCC92092512-16	28.00
09/26/92	04-SD-04-01	LCC92092512-16	53.00
09/26/92	04-MW-03-02	LCC92092512-16	29.00
09/26/92	04-MW-02-02	LCC92092512-16	25.00
09/26/92	04-SS-03-01	LCC92092512-16	50.00
09/26/92	04-SD-01-01	LCC92092512-16	68.00
09/26/92	04-SD-02-01	LCC92092512-16	29.00
09/26/92	04-SS-01-01	LCC92092512-16	49.00
09/26/92	04-SS-02-01	LCC92092512-16	55.00
09/26/92	04-DS-02	LCC92092512-16	15.00
09/26/92	01-MW-01-02	LCC92092512-16	31.00
09/27/92	07-SS-04-01	LCC92092612-53	59.00
09/28/92	01-DS-01	LCC92092612-53	69.00
09/28/92	01-SD-01-01	LCC92092612-53	63.00
09/28/92	01-SD-02-01	LCC92092612-53	61.00
09/28/92	01-DS-03	LCC92092612-53	42.00
09/28/92	07-SD-01-01	LCC92092612-53	31.00
09/28/92	07-DS-03	LCC92092612-53	42.00
10/02/92	10-SS-02-01	LCC92100212-1	61.00
10/03/92	10-SS-03-01	LCC92100212-1	67.00
10/03/92	10-DS-02	LCC92100212-1	78.00
10/03/92	10-SS-04-01	LCC92100212-1	116.00
10/03/92	10-SS-05-01	LCC92100212-1	57.00
10/03/92	10-SS-06-01	LCC92100212-1	54.00
10/03/92	07-SS-01-01	LCC92100312-1	56.00
10/03/92	07-SS-01-01 MS	LCC92100312-1	85.00
10/04/92	07-SS-01-01 MSD	LCC92100312-1	72.00
10/04/92	07-SS-02-01	LCC92100312-1	61.00
10/04/92	07-SS-03-01	LCC92100312-1	51.00
10/04/92	07-SS-05-01	LCC92100312-1	33.00
10/04/92	07-DS-02	LCC92100312-1	64.00
10/04/92	07-DS-03	LCC92100312-1	60.00
10/04/92	07-SD-02-01	LCC92100312-1	61.00
10/02/92	10-SS-01-01	LCC92100212-1	48.00
10/02/92	10-SS-01-01 MS	LCC92100212-1	64.00
10/02/92	10-SS-01-01 MSD	LCC92100212-1	69.00
-----			
Number of Samples	: 86	Below acceptance :	1
Mean % Recovery	: 63.1	Above acceptance :	0
Standard Deviation	: 24.72	Acceptance Criteria	20-188

TABLE A-2, DETAILED LISTING OF SPIKE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	SAMPLE ID -----	LAB ID -----	% RECOVERY -----
Method : SW8310			
Spiked Analyte : Terphenyl-d14 continued			
Type of Spike : Surrogate - Blank Sample			
Type of Spike : Surrogate - Blank Sample			
07/30/92	METHOD BLANK	LCC92073012-2	78.00
08/19/92	METHOD BLANK	LCC92081912-3	76.00
08/24/92	METHOD BLANK	LCC92082412-1	124.00
09/04/92	METHOD BLANK	LCC92090412-1	74.00
09/26/92	METHOD BLANK	LCC92092512-16	74.00
09/27/92	METHOD BLANK	LCC92092612-53	79.00
10/03/92	METHOD BLANK	LCC92100312-1	76.00
10/02/92	METHOD BLANK	LCC92100212-1	71.00
-----			
Number of Samples	: 8	Below acceptance :	0
Mean % Recovery	: 81.5	Above acceptance :	0
Standard Deviation	: 17.35	Acceptance Criteria	20-188
Type of Spike : Surrogate - Laboratory Control			
07/30/92	LCS	LCC92073012-2	67.00
07/30/92	LCS DUP	LCC92073012-2	66.00
08/19/92	LCS	LCC92081912-3	74.00
08/19/92	LCS DUP	LCC92081912-3	72.00
08/24/92	LCS	LCC92082412-1	145.00
08/24/92	LCS DUP	LCC92082412-1	148.00
09/04/92	LCS	LCC92090412-1	72.00
09/04/92	LCS DUP	LCC92090412-1	61.00
09/26/92	LCS	LCC92092512-16	49.00
09/26/92	LCS DUP	LCC92092512-16	69.00
09/27/92	LCS	LCC92092612-53	66.00
09/27/92	LCS DUP	LCC92092612-53	68.00
10/03/92	LCS	LCC92100312-1	62.00
10/03/92	LCS DUP	LCC92100312-1	65.00
10/02/92	LCS	LCC92100212-1	65.00
10/02/92	LCS DUP	LCC92100212-1	37.00
-----			
Number of Samples	: 16	Below acceptance :	0
Mean % Recovery	: 74.1	Above acceptance :	0
Standard Deviation	: 29.70	Acceptance Criteria	NS
-----			

**ATTACHMENT A - APPENDIX B**

**Table A-3**

**Detailed Listing of Duplicate Results - 1992 Soil Samples**



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010							
Type = Field Duplicate							
Aluminum	01-SD-01-01	01-DS-01	12000.0	13000.0	12500	707.1	8
Aluminum	01-SS-07-01	01-DS-02	6500.0	6300.0	6400	141.4	3
Aluminum	01-SD-02-01	01-DS-03	11000.0	12000.0	11500	707.1	9
Aluminum	04-SD-02-01	04-DS-01	12000.0	12000.0	12000	0.0	0
Aluminum	05-SB-03-01	05-DS-01	13000.0	12000.0	12500	707.1	8
Aluminum	05-MW-03-02	05-DS-02	8300.0	7500.0	7900	565.7	10
Aluminum	05-SS-13-01	05-DS-03	5200.0	6100.0	5650	636.4	16
Aluminum	05-SD-01-01	05-DS-04	6100.0	7100.0	6600	707.1	15
Aluminum	06-MW-03-02	06-DS-01	7200.0	7400.0	7300	141.4	3
Aluminum	06-SB-01-01	06-DS-02	9100.0	8700.0	8900	282.8	4
Aluminum	07-MW-03-02	07-DS-01	9600.0	8500.0	9050	777.8	12
Aluminum	07-SS-01-01	07-DS-02	5100.0	5300.0	5200	141.4	4
Aluminum	07-SD-01-01	07-DS-03	7900.0	7500.0	7700	282.8	5
Aluminum	09-MW-06-02	09-DS-01	9400.0	7000.0	8200	1697.1	29
Aluminum	10-MW-01-01	10-DS-01	10000.0	11000.0	10500	707.1	10
Aluminum	10-SS-03-01	10-DS-02	6300.0	5300.0	5800	707.1	17
Aluminum	11-SS-01-01	11-DS-01	9700.0	10000.0	9850	212.1	3
Antimony	01-SD-01-01	01-DS-01	ND	16.0 (e)	NC	NC	NC
Antimony	01-SS-07-01	01-DS-02	ND	8.1	NC	NC	NC
Antimony	01-SD-02-01	01-DS-03	ND	9.5	NC	NC	NC
Antimony	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Antimony	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Antimony	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Antimony	05-SS-13-01	05-DS-03	ND	6.9	NC	NC	NC
Antimony	05-SD-01-01	05-DS-04	ND	7.6	NC	NC	NC
Antimony	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Antimony	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Antimony	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Antimony	07-SS-01-01	07-DS-02	ND	9.3	NC	NC	NC
Antimony	07-SD-01-01	07-DS-03	ND	7.5	NC	NC	NC
Antimony	09-MW-06-02	09-DS-01	ND	12.0	NC	NC	NC
Antimony	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Antimony	10-SS-03-01	10-DS-02	8.2	6.7	7.45	1.1	20
Antimony	11-SS-01-01	11-DS-01	ND	8.0	NC	NC	NC
Arsenic	01-SD-01-01	01-DS-01	ND	30.0	NC	NC	NC
Arsenic	01-SS-07-01	01-DS-02	ND	24.0	NC	NC	NC
Arsenic	01-SD-02-01	01-DS-03	ND	29.0	NC	NC	NC
Arsenic	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Arsenic	05-SB-03-01	05-DS-01	33.0	28.0 (@)	30.5	3.5	16
Arsenic	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Arsenic	05-SS-13-01	05-DS-03	ND	21.0	NC	NC	NC
Arsenic	05-SD-01-01	05-DS-04	ND	23.0	NC	NC	NC
Arsenic	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Arsenic	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Arsenic	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Arsenic	07-SS-01-01	07-DS-02	ND	28.0	NC	NC	NC
Arsenic	07-SD-01-01	07-DS-03	ND	22.0	NC	NC	NC
Arsenic	09-MW-06-02	09-DS-01	ND	36.0	NC	NC	NC
Arsenic	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Arsenic	10-SS-03-01	10-DS-02	ND	20.0	NC	NC	NC
Arsenic	11-SS-01-01	11-DS-01	30.0	28.0 (@)	29	1.4	7
Barium	01-SD-01-01	01-DS-01	190.0	200.0	195	7.1	5
Barium	01-SS-07-01	01-DS-02	200.0	200.0	200	0.0	0
Barium	01-SD-02-01	01-DS-03	180.0	190.0	185	7.1	5
Barium	04-SD-02-01	04-DS-01	180.0	180.0	180	0.0	0
Barium	05-SB-03-01	05-DS-01	190.0	260.0	225	49.5	31
Barium	05-MW-03-02	05-DS-02	150.0	140.0	145	7.1	7
Barium	05-SS-13-01	05-DS-03	100.0	92.0	96	5.7	8
Barium	05-SD-01-01	05-DS-04	100.0	100.0	100	0.0	0
Barium	06-MW-03-02	06-DS-01	130.0	130.0	130	0.0	0
Barium	06-SB-01-01	06-DS-02	170.0	160.0	165	7.1	6
Barium	07-MW-03-02	07-DS-01	270.0	240.0	255	21.2	12
Barium	07-SS-01-01	07-DS-02	110.0	120.0	115	7.1	9
Barium	07-SD-01-01	07-DS-03	260.0	230.0	245	21.2	12

Method = SW6010, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Cachable ND = Not Detected ( ) = Footnote Character

A-3-2

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Barium	09-MW-06-02	09-DS-01	150.0	120.0	135	21.2	22
Barium	10-MW-01-01	10-DS-01	180.0	190.0	185	7.1	5
Barium	10-SS-03-01	10-DS-02	98.0	82.0	90	11.3	18
Barium	11-SS-01-01	11-DS-01	170.0	190.0	180	14.1	11
Beryllium	01-SD-01-01	01-DS-01	0.25	0.30 (ø)	0.275	0.0	18
Beryllium	01-SS-07-01	01-DS-02	0.16	0.16	0.16	0.0	0
Beryllium	01-SD-02-01	01-DS-03	0.21	0.24 (ø)	0.225	0.0	13
Beryllium	04-SD-02-01	04-DS-01	0.26	0.26 (ø)	0.26	0.0	0
Beryllium	05-SB-03-01	05-DS-01	0.23	0.28 (ø)	0.255	0.0	20
Beryllium	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Beryllium	05-SS-13-01	05-DS-03	ND	0.14	NC	NC	NC
Beryllium	05-SD-01-01	05-DS-04	0.20	0.28 (ø)	0.24	0.1	33
Beryllium	06-MW-03-02	06-DS-01	0.19	0.20 (ø)	0.195	0.0	5
Beryllium	06-SB-01-01	06-DS-02	0.29	0.24 (ø)	0.265	0.0	19
Beryllium	07-MW-03-02	07-DS-01	0.27	0.25 (ø)	0.26	0.0	8
Beryllium	07-SS-01-01	07-DS-02	ND	0.19	NC	NC	NC
Beryllium	07-SD-01-01	07-DS-03	0.20	0.18 (ø)	0.19	0.0	11
Beryllium	09-MW-06-02	09-DS-01	ND	0.24	NC	NC	NC
Beryllium	10-MW-01-01	10-DS-01	0.26	0.26 (ø)	0.26	0.0	0
Beryllium	10-SS-03-01	10-DS-02	ND	0.13	NC	NC	NC
Beryllium	11-SS-01-01	11-DS-01	0.25	0.28 (ø)	0.265	0.0	11
Cadmium	01-SD-01-01	01-DS-01	ND	0.69 (ø)	NC	NC	NC
Cadmium	01-SS-07-01	01-DS-02	0.81	0.86 (ø)	0.835	0.0	6
Cadmium	01-SD-02-01	01-DS-03	0.68	0.48	0.58	0.1	34
Cadmium	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Cadmium	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Cadmium	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Cadmium	05-SS-13-01	05-DS-03	ND	0.35	NC	NC	NC
Cadmium	05-SD-01-01	05-DS-04	ND	0.46 (ø)	NC	NC	NC
Cadmium	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Cadmium	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Cadmium	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC

Method = SW6010, cont.  
Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Cadmium	07-SS-01-01	07-DS-02	ND	0.47	NC	NC	NC
Cadmium	07-SD-01-01	07-DS-03	0.53	0.47 (@)	0.5	0.0	12
Cadmium	09-MW-06-02	09-DS-01	ND	0.59	NC	NC	NC
Cadmium	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Cadmium	10-SS-03-01	10-DS-02	ND	0.34	NC	NC	NC
Cadmium	11-SS-01-01	11-DS-01	0.58	0.76 (@)	0.67	0.1	27
Calcium	01-SD-01-01	01-DS-01	13000.0	14000.0	13500	707.1	7
Calcium	01-SS-07-01	01-DS-02	4400.0	4100.0	4250	212.1	7
Calcium	01-SD-02-01	01-DS-03	14000.0	14000.0	14000	0.0	0
Calcium	04-SD-02-01	04-DS-01	15000.0	16000.0	15500	707.1	6
Calcium	05-SB-03-01	05-DS-01	15000.0	17000.0	16000	1414.2	13
Calcium	05-MW-03-02	05-DS-02	13000.0	12000.0	12500	707.1	8
Calcium	05-SS-13-01	05-DS-03	3800.0	4300.0	4050	353.6	12
Calcium	05-SD-01-01	05-DS-04	6400.0	6900.0	6650	353.6	8
Calcium	06-MW-03-02	06-DS-01	6900.0	8500.0	7700	1131.4	21
Calcium	06-SB-01-01	06-DS-02	11000.0	12000.0	11500	707.1	9
Calcium	07-MW-03-02	07-DS-01	13000.0	9900.0	11450	2192.0	27
Calcium	07-SS-01-01	07-DS-02	3500.0	3600.0	3550	70.7	3
Calcium	07-SD-01-01	07-DS-03	19000.0	15000.0	17000	2828.4	24
Calcium	09-MW-06-02	09-DS-01	8800.0	6900.0	7850	1343.5	24
Calcium	10-MW-01-01	10-DS-01	14000.0	15000.0	14500	707.1	7
Calcium	10-SS-03-01	10-DS-02	4700.0	4100.0	4400	424.3	14
Calcium	11-SS-01-01	11-DS-01	13000.0	13000.0	13000	0.0	0
Chromium	01-SD-01-01	01-DS-01	26.0	25.0	25.5	0.7	4
Chromium	01-SS-07-01	01-DS-02	15.0	15.0	15	0.0	0
Chromium	01-SD-02-01	01-DS-03	23.0	24.0	23.5	0.7	4
Chromium	04-SD-02-01	04-DS-01	25.0	25.0	25	0.0	0
Chromium	05-SB-03-01	05-DS-01	26.0	26.0	26	0.0	0
Chromium	05-MW-03-02	05-DS-02	18.0	16.0	17	1.4	12
Chromium	05-SS-13-01	05-DS-03	11.0	12.0	11.5	0.7	9
Chromium	05-SD-01-01	05-DS-04	13.0	15.0	14	1.4	14
Chromium	06-MW-03-02	06-DS-01	17.0	16.0	16.5	0.7	6

Method = SW6010, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Detectable

ND = Not Detected

() = Footnote Character

A-3-4

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Chromium	06-SB-01-01	06-DS-02	20.0	19.0	19.5	0.7	5
Chromium	07-MW-03-02	07-DS-01	20.0	18.0	19	1.4	11
Chromium	07-SS-01-01	07-DS-02	12.0	13.0	12.5	0.7	8
Chromium	07-SD-01-01	07-DS-03	17.0	17.0	17	0.0	0
Chromium	09-MW-06-02	09-DS-01	20.0	15.0	17.5	3.5	29
Chromium	10-MW-01-01	10-DS-01	22.0	22.0	22	0.0	0
Chromium	10-SS-03-01	10-DS-02	11.0	9.5	10.25	1.1	15
Chromium	11-SS-01-01	11-DS-01	20.0	27.0	23.5	4.9	30
Cobalt	01-SD-01-01	01-DS-01	12.0	12.0	12	0.0	0
Cobalt	01-SS-07-01	01-DS-02	8.6	7.5	8.05	0.8	14
Cobalt	01-SD-02-01	01-DS-03	11.0	11.0	11	0.0	0
Cobalt	04-SD-02-01	04-DS-01	12.0	11.0	11.5	0.7	9
Cobalt	05-SB-03-01	05-DS-01	11.0	11.0	11	0.0	0
Cobalt	05-MW-03-02	05-DS-02	8.3	7.7	8	0.4	8
Cobalt	05-SS-13-01	05-DS-03	6.2	6.9	6.55	0.5	11
Cobalt	05-SD-01-01	05-DS-04	5.9	6.8	6.35	0.6	14
Cobalt	06-MW-03-02	06-DS-01	7.7	7.9	7.8	0.1	3
Cobalt	06-SB-01-01	06-DS-02	8.8	9.0	8.9	0.1	2
Cobalt	07-MW-03-02	07-DS-01	9.7	7.7	8.7	1.4	23
Cobalt	07-SS-01-01	07-DS-02	5.3	6.1	5.7	0.6	14
Cobalt	07-SD-01-01	07-DS-03	9.0	7.8	8.4	0.8	14
Cobalt	09-MW-06-02	09-DS-01	9.5	6.8	8.15	1.9	33
Cobalt	10-MW-01-01	10-DS-01	10.0	9.9	9.95	0.1	1
Cobalt	10-SS-03-01	10-DS-02	7.1	5.6	6.35	1.1	24
Cobalt	11-SS-01-01	11-DS-01	9.9	11.0	10.45	0.8	11
Copper	01-SD-01-01	01-DS-01	30.0	30.0	30	0.0	0
Copper	01-SS-07-01	01-DS-02	18.0	17.0	17.5	0.7	6
Copper	01-SD-02-01	01-DS-03	28.0	28.0	28	0.0	0
Copper	04-SD-02-01	04-DS-01	26.0	26.0	26	0.0	0
Copper	05-SB-03-01	05-DS-01	33.0	36.0	34.5	2.1	9
Copper	05-MW-03-02	05-DS-02	36.0	33.0	34.5	2.1	9
Copper	05-SS-13-01	05-DS-03	8.6	10.0	9.3	1.0	15

Method = SW6010, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-5

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
	-----	-----	-----	-----	-----	-----	-----
Method = SW6010, cont.							
Type = Field Duplicate, cont.							
Copper	05-SD-01-01	05-DS-04	14.0	17.0	15.5	2.1	19
Copper	06-MW-03-02	06-DS-01	33.0	24.0	28.5	6.4	32
Copper	06-SB-01-01	06-DS-02	26.0	29.0	27.5	2.1	11
Copper	07-MW-03-02	07-DS-01	24.0	23.0	23.5	0.7	4
Copper	07-SS-01-01	07-DS-02	10.0	12.0	11	1.4	18
Copper	07-SD-01-01	07-DS-03	25.0	28.0	26.5	2.1	11
Copper	09-MW-06-02	09-DS-01	20.0	15.0	17.5	3.5	29
Copper	10-MW-01-01	10-DS-01	30.0	27.0	28.5	2.1	11
Copper	10-SS-03-01	10-DS-02	47.0	44.0	45.5	2.1	7
Copper	11-SS-01-01	11-DS-01	120.0	110.0	115	7.1	9
Iron	01-SD-01-01	01-DS-01	23000.0	24000.0	23500	707.1	4
Iron	01-SS-07-01	01-DS-02	14000.0	13000.0	13500	707.1	7
Iron	01-SD-02-01	01-DS-03	23000.0	23000.0	23000	0.0	0
Iron	04-SD-02-01	04-DS-01	23000.0	22000.0	22500	707.1	4
Iron	05-SB-03-01	05-DS-01	25000.0	27000.0	26000	1414.2	8
Iron	05-MW-03-02	05-DS-02	18000.0	17000.0	17500	707.1	6
Iron	05-SS-13-01	05-DS-03	11000.0	12000.0	11500	707.1	9
Iron	05-SD-01-01	05-DS-04	13000.0	15000.0	14000	1414.2	14
Iron	06-MW-03-02	06-DS-01	15000.0	16000.0	15500	707.1	6
Iron	06-SB-01-01	06-DS-02	20000.0	20000.0	20000	0.0	0
Iron	07-MW-03-02	07-DS-01	19000.0	17000.0	18000	1414.2	11
Iron	07-SS-01-01	07-DS-02	11000.0	12000.0	11500	707.1	9
Iron	07-SD-01-01	07-DS-03	22000.0	19000.0	20500	2121.3	15
Iron	09-MW-06-02	09-DS-01	18000.0	14000.0	16000	2828.4	25
Iron	10-MW-01-01	10-DS-01	21000.0	22000.0	21500	707.1	5
Iron	10-SS-03-01	10-DS-02	14000.0	11000.0	12500	2121.3	24
Iron	11-SS-01-01	11-DS-01	23000.0	24000.0	23500	707.1	4
Lead	01-SD-01-01	01-DS-01	22.0	10.0 (e)	16	8.5	75
Lead	01-SS-07-01	01-DS-02	53.0	58.0	55.5	3.5	9
Lead	01-SD-02-01	01-DS-03	10.0	8.0 (e)	9	1.4	22
Lead	04-SD-02-01	04-DS-01	6.8	ND	NC	NC	NC
Lead	05-SB-03-01	05-DS-01	ND	7.8 (e)	NC	NC	NC

Compiled: 11 May 1994

NC = Not Comparable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Field Duplicate, cont.							
Lead	05-MW-03-02	05-DS-02	ND	5.3 (ø)	NC	NC	NC
Lead	05-SS-13-01	05-DS-03	20.0	13.0 (ø)	16.5	4.9	42
Lead	05-SD-01-01	05-DS-04	6.3	9.9 (ø)	8.1	2.5	44
Lead	06-MW-03-02	06-DS-01	9.8	6.9 (ø)	8.35	2.1	35
Lead	06-SB-01-01	06-DS-02	6.9	ND	NC	NC	NC
Lead	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Lead	07-SS-01-01	07-DS-02	26.0	20.0 (ø)	23	4.2	26
Lead	07-SD-01-01	07-DS-03	16.0	13.0 (ø)	14.5	2.1	21
Lead	09-MW-06-02	09-DS-01	14.0	7.2 (ø)	10.6	4.8	64
Lead	10-MW-01-01	10-DS-01	9.0	ND	NC	NC	NC
Lead	10-SS-03-01	10-DS-02	17.0	19.0	18	1.4	11
Lead	11-SS-01-01	11-DS-01	42.0	34.0	38	5.7	21
Magnesium	01-SD-01-01	01-DS-01	7500.0	7900.0	7700	282.8	5
Magnesium	01-SS-07-01	01-DS-02	4000.0	3900.0	3950	70.7	3
Magnesium	01-SD-02-01	01-DS-03	7600.0	7600.0	7600	0.0	0
Magnesium	04-SD-02-01	04-DS-01	7500.0	7900.0	7700	282.8	5
Magnesium	05-SB-03-01	05-DS-01	8200.0	8800.0	8500	424.3	7
Magnesium	05-MW-03-02	05-DS-02	6100.0	5700.0	5900	282.8	7
Magnesium	05-SS-13-01	05-DS-03	3100.0	3300.0	3200	141.4	6
Magnesium	05-SD-01-01	05-DS-04	4000.0	4500.0	4250	353.6	12
Magnesium	06-MW-03-02	06-DS-01	4600.0	4900.0	4750	212.1	6
Magnesium	06-SB-01-01	06-DS-02	6200.0	6000.0	6100	141.4	3
Magnesium	07-MW-03-02	07-DS-01	5600.0	4800.0	5200	565.7	15
Magnesium	07-SS-01-01	07-DS-02	2600.0	3000.0	2800	282.8	14
Magnesium	07-SD-01-01	07-DS-03	5000.0	4800.0	4900	141.4	4
Magnesium	09-MW-06-02	09-DS-01	5700.0	4100.0	4900	1131.4	33
Magnesium	10-MW-01-01	10-DS-01	6900.0	7400.0	7150	353.6	7
Magnesium	10-SS-03-01	10-DS-02	3300.0	2500.0	2900	565.7	28
Magnesium	11-SS-01-01	11-DS-01	5500.0	6400.0	5950	636.4	15
Manganese	01-SD-01-01	01-DS-01	410.0	430.0	420	14.1	5
Manganese	01-SS-07-01	01-DS-02	180.0	180.0	180	0.0	0
Manganese	01-SD-02-01	01-DS-03	420.0	410.0	415	7.1	2

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-7

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Manganese	04-SD-02-01	04-DS-01	390.0	350.0	370	28.3	11
Manganese	05-SB-03-01	05-DS-01	430.0	510.0	470	56.6	17
Manganese	05-MW-03-02	05-DS-02	290.0	300.0	295	7.1	3
Manganese	05-SS-13-01	05-DS-03	210.0	220.0	215	7.1	5
Manganese	05-SD-01-01	05-DS-04	230.0	260.0	245	21.2	12
Manganese	06-MW-03-02	06-DS-01	270.0	290.0	280	14.1	7
Manganese	06-SB-01-01	06-DS-02	310.0	310.0	310	0.0	0
Manganese	07-MW-03-02	07-DS-01	380.0	240.0	310	99.0	45
Manganese	07-SS-01-01	07-DS-02	180.0	200.0	190	14.1	11
Manganese	07-SD-01-01	07-DS-03	500.0	380.0	440	84.9	27
Manganese	09-MW-06-02	09-DS-01	340.0	280.0	310	42.4	19
Manganese	10-MW-01-01	10-DS-01	410.0	410.0	410	0.0	0
Manganese	10-SS-03-01	10-DS-02	210.0	180.0	195	21.2	15
Manganese	11-SS-01-01	11-DS-01	320.0	360.0	340	28.3	12
Molybdenum	01-SD-01-01	01-DS-01	ND	5.0	NC	NC	NC
Molybdenum	01-SS-07-01	01-DS-02	ND	4.1	NC	NC	NC
Molybdenum	01-SD-02-01	01-DS-03	ND	4.8	NC	NC	NC
Molybdenum	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Molybdenum	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Molybdenum	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Molybdenum	05-SS-13-01	05-DS-03	ND	3.5	NC	NC	NC
Molybdenum	05-SD-01-01	05-DS-04	ND	3.8	NC	NC	NC
Molybdenum	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Molybdenum	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Molybdenum	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Molybdenum	07-SS-01-01	07-DS-02	ND	4.7	NC	NC	NC
Molybdenum	07-SD-01-01	07-DS-03	ND	3.7	NC	NC	NC
Molybdenum	09-MW-06-02	09-DS-01	ND	5.9	NC	NC	NC
Molybdenum	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Molybdenum	10-SS-03-01	10-DS-02	ND	3.4	NC	NC	NC
Molybdenum	11-SS-01-01	11-DS-01	ND	4.0	NC	NC	NC
Nickel	01-SD-01-01	01-DS-01	28.0	29.0	28.5	0.7	4

Method = SW6010, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not C

ND = Not Detected

( ) = Footnote Character

A-3-8



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Field Duplicate, cont.							
Nickel	01-SS-07-01	01-DS-02	19.0	16.0	17.5	2.1	17
Nickel	01-SD-02-01	01-DS-03	28.0	27.0	27.5	0.7	4
Nickel	04-SD-02-01	04-DS-01	27.0	27.0	27	0.0	0
Nickel	05-SB-03-01	05-DS-01	30.0	34.0	32	2.8	13
Nickel	05-MW-03-02	05-DS-02	22.0	24.0	23	1.4	9
Nickel	05-SS-13-01	05-DS-03	15.0	14.0	14.5	0.7	7
Nickel	05-SD-01-01	05-DS-04	16.0	19.0	17.5	2.1	17
Nickel	06-MW-03-02	06-DS-01	18.0	19.0	18.5	0.7	5
Nickel	06-SB-01-01	06-DS-02	26.0	24.0	25	1.4	8
Nickel	07-MW-03-02	07-DS-01	24.0	20.0	22	2.8	18
Nickel	07-SS-01-01	07-DS-02	13.0	16.0	14.5	2.1	21
Nickel	07-SD-01-01	07-DS-03	21.0	21.0	21	0.0	0
Nickel	09-MW-06-02	09-DS-01	22.0	16.0	19	4.2	32
Nickel	10-MW-01-01	10-DS-01	25.0	26.0	25.5	0.7	4
Nickel	10-SS-03-01	10-DS-02	16.0	12.0	14	2.8	29
Nickel	11-SS-01-01	11-DS-01	22.0	27.0	24.5	3.5	20
Potassium	01-SD-01-01	01-DS-01	1400.0	1400.0 (e)	1400	0.0	0
Potassium	01-SS-07-01	01-DS-02	720.0	740.0 (e)	730	14.1	3
Potassium	01-SD-02-01	01-DS-03	1300.0	1400.0 (e)	1350	70.7	7
Potassium	04-SD-02-01	04-DS-01	990.0	980.0 (e)	985	7.1	1
Potassium	05-SB-03-01	05-DS-01	1100.0	980.0 (e)	1040	84.9	12
Potassium	05-MW-03-02	05-DS-02	690.0	590.0 (e)	640	70.7	16
Potassium	05-SS-13-01	05-DS-03	420.0	500.0 (e)	460	56.6	17
Potassium	05-SD-01-01	05-DS-04	580.0	650.0 (e)	615	49.5	11
Potassium	06-MW-03-02	06-DS-01	710.0	700.0 (e)	705	7.1	1
Potassium	06-SB-01-01	06-DS-02	850.0	820.0 (e)	835	21.2	4
Potassium	07-MW-03-02	07-DS-01	1100.0	620.0 (e)	860	339.4	56
Potassium	07-SS-01-01	07-DS-02	440.0	440.0 (e)	440	0.0	0
Potassium	07-SD-01-01	07-DS-03	860.0	820.0 (e)	840	28.3	5
Potassium	09-MW-06-02	09-DS-01	1100.0	920.0 (e)	1010	127.3	18
Potassium	10-MW-01-01	10-DS-01	1100.0	1100.0 (e)	1100	0.0	0
Potassium	10-SS-03-01	10-DS-02	530.0	510.0 (e)	520	14.1	4

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-9

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Potassium	11-SS-01-01	11-DS-01	1100.0	1100.0 (@)	1100	0.0	0
Selenium	01-SD-01-01	01-DS-01	ND	30.0	NC	NC	NC
Selenium	01-SS-07-01	01-DS-02	ND	24.0	NC	NC	NC
Selenium	01-SD-02-01	01-DS-03	ND	29.0	NC	NC	NC
Selenium	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Selenium	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Selenium	05-MW-03-02	05-DS-02	ND	40.0 (@)	NC	NC	NC
Selenium	05-SS-13-01	05-DS-03	ND	21.0	NC	NC	NC
Selenium	05-SD-01-01	05-DS-04	ND	23.0	NC	NC	NC
Selenium	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Selenium	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Selenium	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Selenium	07-SS-01-01	07-DS-02	ND	28.0	NC	NC	NC
Selenium	07-SD-01-01	07-DS-03	ND	22.0	NC	NC	NC
Selenium	09-MW-06-02	09-DS-01	ND	36.0	NC	NC	NC
Selenium	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Selenium	10-SS-03-01	10-DS-02	ND	20.0	NC	NC	NC
Selenium	11-SS-01-01	11-DS-01	ND	24.0	NC	NC	NC
Silver	01-SD-01-01	01-DS-01	ND	0.99	NC	NC	NC
Silver	01-SS-07-01	01-DS-02	ND	0.81	NC	NC	NC
Silver	01-SD-02-01	01-DS-03	ND	0.95	NC	NC	NC
Silver	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Silver	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Silver	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Silver	05-SS-13-01	05-DS-03	ND	0.69	NC	NC	NC
Silver	05-SD-01-01	05-DS-04	0.87	0.76	0.815	0.1	13
Silver	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Silver	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Silver	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Silver	07-SS-01-01	07-DS-02	ND	0.93	NC	NC	NC
Silver	07-SD-01-01	07-DS-03	ND	0.75	NC	NC	NC
Silver	09-MW-06-02	09-DS-01	ND	1.2	NC	NC	NC

Method = SW6010, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Comparable

ND = Not Detected

() = Footnote Character

A-3-10

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Field Duplicate, cont.							
Silver	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Silver	10-SS-03-01	10-DS-02	ND	0.67	NC	NC	NC
Silver	11-SS-01-01	11-DS-01	ND	0.80	NC	NC	NC
Sodium	01-SD-01-01	01-DS-01	400.0	420.0	410	14.1	5
Sodium	01-SS-07-01	01-DS-02	150.0	160.0	155	7.1	6
Sodium	01-SD-02-01	01-DS-03	340.0	400.0	370	42.4	16
Sodium	04-SD-02-01	04-DS-01	430.0	460.0	445	21.2	7
Sodium	05-SB-03-01	05-DS-01	400.0	330.0	365	49.5	19
Sodium	05-MW-03-02	05-DS-02	310.0	270.0	290	28.3	14
Sodium	05-SS-13-01	05-DS-03	130.0	150.0	140	14.1	14
Sodium	05-SD-01-01	05-DS-04	180.0	210.0	195	21.2	15
Sodium	06-MW-03-02	06-DS-01	210.0	240.0	225	21.2	13
Sodium	06-SB-01-01	06-DS-02	280.0	260.0	270	14.1	7
Sodium	07-MW-03-02	07-DS-01	180.0	150.0	165	21.2	18
Sodium	07-SS-01-01	07-DS-02	100.0	100.0	100	0.0	0
Sodium	07-SD-01-01	07-DS-03	500.0	470.0	485	21.2	6
Sodium	09-MW-06-02	09-DS-01	260.0	190.0	225	49.5	31
Sodium	10-MW-01-01	10-DS-01	320.0	370.0	345	35.4	14
Sodium	10-SS-03-01	10-DS-02	140.0	120.0	130	14.1	15
Sodium	11-SS-01-01	11-DS-01	320.0	340.0	330	14.1	6
Thallium	01-SD-01-01	01-DS-01	ND	9.9	NC	NC	NC
Thallium	01-SS-07-01	01-DS-02	ND	8.1	NC	NC	NC
Thallium	01-SD-02-01	01-DS-03	ND	9.5	NC	NC	NC
Thallium	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Thallium	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Thallium	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Thallium	05-SS-13-01	05-DS-03	ND	6.9	NC	NC	NC
Thallium	05-SD-01-01	05-DS-04	ND	7.6	NC	NC	NC
Thallium	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Thallium	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Thallium	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Thallium	07-SS-01-01	07-DS-02	ND	9.3	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-11

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Thallium	07-SD-01-01	07-DS-03	ND	7.5	NC	NC	NC
Thallium	09-MW-06-02	09-DS-01	ND	12.0	NC	NC	NC
Thallium	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Thallium	10-SS-03-01	10-DS-02	ND	6.7	NC	NC	NC
Thallium	11-SS-01-01	11-DS-01	ND	8.0	NC	NC	NC
Vanadium	01-SD-01-01	01-DS-01	42.0	43.0	42.5	0.7	2
Vanadium	01-SS-07-01	01-DS-02	24.0	23.0	23.5	0.7	4
Vanadium	01-SD-02-01	01-DS-03	38.0	40.0	39	1.4	5
Vanadium	04-SD-02-01	04-DS-01	42.0	43.0	42.5	0.7	2
Vanadium	05-SB-03-01	05-DS-01	44.0	43.0	43.5	0.7	2
Vanadium	05-MW-03-02	05-DS-02	37.0	34.0	35.5	2.1	8
Vanadium	05-SS-13-01	05-DS-03	22.0	26.0	24	2.8	17
Vanadium	05-SD-01-01	05-DS-04	20.0	24.0	22	2.8	18
Vanadium	06-MW-03-02	06-DS-01	27.0	28.0	27.5	0.7	4
Vanadium	06-SB-01-01	06-DS-02	31.0	31.0	31	0.0	0
Vanadium	07-MW-03-02	07-DS-01	35.0	31.0	33	2.8	12
Vanadium	07-SS-01-01	07-DS-02	20.0	21.0	20.5	0.7	5
Vanadium	07-SD-01-01	07-DS-03	28.0	27.0	27.5	0.7	4
Vanadium	09-MW-06-02	09-DS-01	35.0	26.0	30.5	6.4	30
Vanadium	10-MW-01-01	10-DS-01	38.0	40.0	39	1.4	5
Vanadium	10-SS-03-01	10-DS-02	25.0	19.0	22	4.2	27
Vanadium	11-SS-01-01	11-DS-01	36.0	38.0	37	1.4	5
Zinc	01-SD-01-01	01-DS-01	77.0	78.0	77.5	0.7	1
Zinc	01-SS-07-01	01-DS-02	100.0	100.0	100	0.0	0
Zinc	01-SD-02-01	01-DS-03	74.0	74.0	74	0.0	0
Zinc	04-SD-02-01	04-DS-01	62.0	64.0	63	1.4	3
Zinc	05-SB-03-01	05-DS-01	72.0	87.0	79.5	10.6	19
Zinc	05-MW-03-02	05-DS-02	54.0	51.0	52.5	2.1	6
Zinc	05-SS-13-01	05-DS-03	30.0	31.0	30.5	0.7	3
Zinc	05-SD-01-01	05-DS-04	43.0	46.0	44.5	2.1	7
Zinc	06-MW-03-02	06-DS-01	70.0	59.0	64.5	7.8	17
Zinc	06-SB-01-01	06-DS-02	65.0	63.0	64	1.4	3

Method = SW6010, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Detectable

ND = Not Detected

() = Footnote Character

A-3-12

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Field Duplicate, cont.							
Zinc	07-MW-03-02	07-DS-01	58.0	48.0	53	7.1	19
Zinc	07-SS-01-01	07-DS-02	44.0	44.0	44	0.0	0
Zinc	07-SD-01-01	07-DS-03	73.0	71.0	72	1.4	3
Zinc	09-MW-06-02	09-DS-01	54.0	41.0	47.5	9.2	27
Zinc	10-MW-01-01	10-DS-01	76.0	68.0	72	5.7	11
Zinc	10-SS-03-01	10-DS-02	150.0	160.0	155	7.1	6
Zinc	11-SS-01-01	11-DS-01	500.0	450.0	475	35.4	11
Type = Laboratory Control							
Aluminum	LCS	LCS DUP	93.0	96.0	94.5	2.1	3
Aluminum	LCS	LCS DUP	92.0	95.0	93.5	2.1	3
Aluminum	LCS	LCS DUP	92.0	92.0	92	0.0	0
Aluminum	LCS	LCS DUP	97.0	96.0	96.5	0.7	1
Aluminum	LCS	LCS DUP	93.0	94.0	93.5	0.7	1
Aluminum	LCS	LCS DUP	90.0	89.0	89.5	0.7	1
Aluminum	LCS	LCS DUP	90.0	90.0	90	0.0	0
Aluminum	LCS	LCS DUP	94.0	94.0	94	0.0	0
Aluminum	LCS	LCS DUP	92.0	92.0	92	0.0	0
Aluminum	LCS	LCS DUP	92.0	92.0	92	0.0	0
Aluminum	LCS	LCS DUP	91.0	91.0	91	0.0	0
Aluminum	LCS	LCS DUP	92.0	92.0	92	0.0	0
Aluminum	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Aluminum	LCS	LCS DUP	93.0	94.0	93.5	0.7	1
Aluminum	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Aluminum	LCS	LCS DUP	94.0	92.0	93	1.4	2
Aluminum	LCS	LCS DUP	90.0	90.0	90	0.0	0
Antimony	LCS	LCS DUP	85.0	88.0	86.5	2.1	3
Antimony	LCS	LCS DUP	102.0	104.0	103	1.4	2
Antimony	LCS	LCS DUP	93.0	91.0	92	1.4	2
Antimony	LCS	LCS DUP	93.0	88.0	90.5	3.5	6
Antimony	LCS	LCS DUP	90.0	92.0	91	1.4	2
Antimony	LCS	LCS DUP	88.0	85.0	86.5	2.1	3

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-13

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Antimony	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Antimony	LCS	LCS DUP	96.0	101.0	98.5	3.5	5
Antimony	LCS	LCS DUP	96.0	100.0	98	2.8	4
Antimony	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Antimony	LCS	LCS DUP	99.0	94.0	96.5	3.5	5
Antimony	LCS	LCS DUP	95.0	93.0	94	1.4	2
Antimony	LCS	LCS DUP	89.0	92.0	90.5	2.1	3
Antimony	LCS	LCS DUP	93.0	96.0	94.5	2.1	3
Antimony	LCS	LCS DUP	104.0	101.0	102.5	2.1	3
Antimony	LCS	LCS DUP	96.0	97.0	96.5	0.7	1
Antimony	LCS	LCS DUP	90.0	85.0	87.5	3.5	6
Arsenic	LCS	LCS DUP	95.0	96.0	95.5	0.7	1
Arsenic	LCS	LCS DUP	92.0	91.0	91.5	0.7	1
Arsenic	LCS	LCS DUP	95.0	88.0	91.5	4.9	8
Arsenic	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Arsenic	LCS	LCS DUP	96.0	99.0	97.5	2.1	3
Arsenic	LCS	LCS DUP	91.0	88.0	89.5	2.1	3
Arsenic	LCS	LCS DUP	88.0	94.0	91	4.2	7
Arsenic	LCS	LCS DUP	102.0	100.0	101	1.4	2
Arsenic	LCS	LCS DUP	96.0	97.0	96.5	0.7	1
Arsenic	LCS	LCS DUP	100.0	98.0	99	1.4	2
Arsenic	LCS	LCS DUP	110.0	111.0	110.5	0.7	1
Arsenic	LCS	LCS DUP	95.0	93.0	94	1.4	2
Arsenic	LCS	LCS DUP	95.0	99.0	97	2.8	4
Arsenic	LCS	LCS DUP	94.0	92.0	93	1.4	2
Arsenic	LCS	LCS DUP	111.0	110.0	110.5	0.7	1
Arsenic	LCS	LCS DUP	93.0	90.0	91.5	2.1	3
Arsenic	LCS	LCS DUP	89.0	87.0	88	1.4	2
Barium	LCS	LCS DUP	92.0	98.0	95	4.2	6
Barium	LCS	LCS DUP	94.0	97.0	95.5	2.1	3
Barium	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Barium	LCS	LCS DUP	96.0	95.0	95.5	0.7	1

Method = SW6010, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not C

ND = Not Detected

() = Footnote Character

A-3-14

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Laboratory Control, cont.							
Barium	LCS	LCS DUP	93.0	95.0	94	1.4	2
Barium	LCS	LCS DUP	92.0	87.0	89.5	3.5	6
Barium	LCS	LCS DUP	89.0	91.0	90	1.4	2
Barium	LCS	LCS DUP	97.0	97.0	97	0.0	0
Barium	LCS	LCS DUP	95.0	95.0	95	0.0	0
Barium	LCS	LCS DUP	93.0	93.0	93	0.0	0
Barium	LCS	LCS DUP	96.0	95.0	95.5	0.7	1
Barium	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Barium	LCS	LCS DUP	93.0	94.0	93.5	0.7	1
Barium	LCS	LCS DUP	98.0	99.0	98.5	0.7	1
Barium	LCS	LCS DUP	96.0	94.0	95	1.4	2
Barium	LCS	LCS DUP	93.0	91.0	92	1.4	2
Barium	LCS	LCS DUP	88.0	88.0	88	0.0	0
Beryllium	LCS	LCS DUP	92.0	95.0	93.5	2.1	3
Beryllium	LCS	LCS DUP	92.0	95.0	93.5	2.1	3
Beryllium	LCS	LCS DUP	91.0	91.0	91	0.0	0
Beryllium	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Beryllium	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Beryllium	LCS	LCS DUP	88.0	84.0	86	2.8	5
Beryllium	LCS	LCS DUP	86.0	88.0	87	1.4	2
Beryllium	LCS	LCS DUP	93.0	93.0	93	0.0	0
Beryllium	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Beryllium	LCS	LCS DUP	91.0	91.0	91	0.0	0
Beryllium	LCS	LCS DUP	93.0	91.0	92	1.4	2
Beryllium	LCS	LCS DUP	92.0	91.0	91.5	0.7	1
Beryllium	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Beryllium	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Beryllium	LCS	LCS DUP	93.0	91.0	92	1.4	2
Beryllium	LCS	LCS DUP	91.0	88.0	89.5	2.1	3
Beryllium	LCS	LCS DUP	86.0	86.0	86	0.0	0
Cadmium	LCS	LCS DUP	91.0	95.0	93	2.8	4
Cadmium	LCS	LCS DUP	91.0	94.0	92.5	2.1	3

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-15

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Laboratory Control, cont.							
Cadmium	LCS	LCS DUP	89.0	88.0	88.5	0.7	1
Cadmium	LCS	LCS DUP	89.0	88.0	88.5	0.7	1
Cadmium	LCS	LCS DUP	89.0	90.0	89.5	0.7	1
Cadmium	LCS	LCS DUP	88.0	84.0	86	2.8	5
Cadmium	LCS	LCS DUP	85.0	87.0	86	1.4	2
Cadmium	LCS	LCS DUP	93.0	93.0	93	0.0	0
Cadmium	LCS	LCS DUP	92.0	92.0	92	0.0	0
Cadmium	LCS	LCS DUP	90.0	90.0	90	0.0	0
Cadmium	LCS	LCS DUP	91.0	90.0	90.5	0.7	1
Cadmium	LCS	LCS DUP	90.0	90.0	90	0.0	0
Cadmium	LCS	LCS DUP	91.0	91.0	91	0.0	0
Cadmium	LCS	LCS DUP	90.0	92.0	91	1.4	2
Cadmium	LCS	LCS DUP	90.0	89.0	89.5	0.7	1
Cadmium	LCS	LCS DUP	92.0	89.0	90.5	2.1	3
Cadmium	LCS	LCS DUP	87.0	87.0	87	0.0	0
Calcium	LCS	LCS DUP	98.0	101.0	99.5	2.1	3
Calcium	LCS	LCS DUP	97.0	100.0	98.5	2.1	3
Calcium	LCS	LCS DUP	96.0	96.0	96	0.0	0
Calcium	LCS	LCS DUP	102.0	101.0	101.5	0.7	1
Calcium	LCS	LCS DUP	98.0	99.0	98.5	0.7	1
Calcium	LCS	LCS DUP	90.0	89.0	89.5	0.7	1
Calcium	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Calcium	LCS	LCS DUP	96.0	96.0	96	0.0	0
Calcium	LCS	LCS DUP	95.0	96.0	95.5	0.7	1
Calcium	LCS	LCS DUP	97.0	96.0	96.5	0.7	1
Calcium	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Calcium	LCS	LCS DUP	96.0	96.0	96	0.0	0
Calcium	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Calcium	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Calcium	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Calcium	LCS	LCS DUP	96.0	93.0	94.5	2.1	3
Calcium	LCS	LCS DUP	92.0	92.0	92	0.0	0

Compiled: 11 May 1994

NC = Not Cachable

ND = Not Detected

() = Footnote Character

A-3-16



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Laboratory Control, cont.							
Chromium	LCS	LCS DUP	94.0	97.0	95.5	2.1	3
Chromium	LCS	LCS DUP	94.0	97.0	95.5	2.1	3
Chromium	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Chromium	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Chromium	LCS	LCS DUP	94.0	95.0	94.5	0.7	1
Chromium	LCS	LCS DUP	90.0	86.0	88	2.8	5
Chromium	LCS	LCS DUP	88.0	90.0	89	1.4	2
Chromium	LCS	LCS DUP	97.0	96.0	96.5	0.7	1
Chromium	LCS	LCS DUP	94.0	94.0	94	0.0	0
Chromium	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Chromium	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Chromium	LCS	LCS DUP	93.0	93.0	93	0.0	0
Chromium	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Chromium	LCS	LCS DUP	93.0	94.0	93.5	0.7	1
Chromium	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Chromium	LCS	LCS DUP	92.0	90.0	91	1.4	2
Chromium	LCS	LCS DUP	88.0	88.0	88	0.0	0
Cobalt	LCS	LCS DUP	93.0	95.0	94	1.4	2
Cobalt	LCS	LCS DUP	93.0	95.0	94	1.4	2
Cobalt	LCS	LCS DUP	92.0	92.0	92	0.0	0
Cobalt	LCS	LCS DUP	94.0	94.0	94	0.0	0
Cobalt	LCS	LCS DUP	93.0	95.0	94	1.4	2
Cobalt	LCS	LCS DUP	89.0	85.0	87	2.8	5
Cobalt	LCS	LCS DUP	88.0	89.0	88.5	0.7	1
Cobalt	LCS	LCS DUP	96.0	96.0	96	0.0	0
Cobalt	LCS	LCS DUP	93.0	93.0	93	0.0	0
Cobalt	LCS	LCS DUP	93.0	93.0	93	0.0	0
Cobalt	LCS	LCS DUP	93.0	93.0	93	0.0	0
Cobalt	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Cobalt	LCS	LCS DUP	92.0	92.0	92	0.0	0
Cobalt	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Cobalt	LCS	LCS DUP	94.0	92.0	93	1.4	2

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Laboratory Control, cont.							
Cobalt	LCS	LCS DUP	92.0	89.0	90.5	2.1	3
Cobalt	LCS	LCS DUP	88.0	88.0	88	0.0	0
Copper	LCS	LCS DUP	96.0	96.0	96	0.0	0
Copper	LCS	LCS DUP	94.0	94.0	94	0.0	0
Copper	LCS	LCS DUP	92.0	91.0	91.5	0.7	1
Copper	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Copper	LCS	LCS DUP	91.0	93.0	92	1.4	2
Copper	LCS	LCS DUP	88.0	84.0	86	2.8	5
Copper	LCS	LCS DUP	86.0	88.0	87	1.4	2
Copper	LCS	LCS DUP	95.0	95.0	95	0.0	0
Copper	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Copper	LCS	LCS DUP	92.0	92.0	92	0.0	0
Copper	LCS	LCS DUP	92.0	91.0	91.5	0.7	1
Copper	LCS	LCS DUP	92.0	91.0	91.5	0.7	1
Copper	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Copper	LCS	LCS DUP	93.0	95.0	94	1.4	2
Copper	LCS	LCS DUP	94.0	92.0	93	1.4	2
Copper	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Copper	LCS	LCS DUP	87.0	86.0	86.5	0.7	1
Iron	LCS	LCS DUP	94.0	97.0	95.5	2.1	3
Iron	LCS	LCS DUP	94.0	97.0	95.5	2.1	3
Iron	LCS	LCS DUP	93.0	93.0	93	0.0	0
Iron	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Iron	LCS	LCS DUP	95.0	96.0	95.5	0.7	1
Iron	LCS	LCS DUP	90.0	89.0	89.5	0.7	1
Iron	LCS	LCS DUP	90.0	89.0	89.5	0.7	1
Iron	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Iron	LCS	LCS DUP	94.0	94.0	94	0.0	0
Iron	LCS	LCS DUP	93.0	93.0	93	0.0	0
Iron	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Iron	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Iron	LCS	LCS DUP	90.0	91.0	90.5	0.7	1

Compiled: 11 May 1994

NC = Not Cachable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Laboratory Control, cont.							
Iron	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Iron	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Iron	LCS	LCS DUP	94.0	92.0	93	1.4	2
Iron	LCS	LCS DUP	90.0	89.0	89.5	0.7	1
Lead	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Lead	LCS	LCS DUP	93.0	96.0	94.5	2.1	3
Lead	LCS	LCS DUP	96.0	96.0	96	0.0	0
Lead	LCS	LCS DUP	101.0	99.0	100	1.4	2
Lead	LCS	LCS DUP	92.0	94.0	93	1.4	2
Lead	LCS	LCS DUP	88.0	82.0	85	4.2	7
Lead	LCS	LCS DUP	86.0	87.0	86.5	0.7	1
Lead	LCS	LCS DUP	94.0	94.0	94	0.0	0
Lead	LCS	LCS DUP	89.0	91.0	90	1.4	2
Lead	LCS	LCS DUP	93.0	94.0	93.5	0.7	1
Lead	LCS	LCS DUP	91.0	90.0	90.5	0.7	1
Lead	LCS	LCS DUP	92.0	94.0	93	1.4	2
Lead	LCS	LCS DUP	87.0	92.0	89.5	3.5	6
Lead	LCS	LCS DUP	87.0	89.0	88	1.4	2
Lead	LCS	LCS DUP	98.0	99.0	98.5	0.7	1
Lead	LCS	LCS DUP	93.0	88.0	90.5	3.5	6
Lead	LCS	LCS DUP	86.0	86.0	86	0.0	0
Magnesium	LCS	LCS DUP	90.0	93.0	91.5	2.1	3
Magnesium	LCS	LCS DUP	89.0	92.0	90.5	2.1	3
Magnesium	LCS	LCS DUP	89.0	89.0	89	0.0	0
Magnesium	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Magnesium	LCS	LCS DUP	92.0	92.0	92	0.0	0
Magnesium	LCS	LCS DUP	88.0	88.0	88	0.0	0
Magnesium	LCS	LCS DUP	89.0	88.0	88.5	0.7	1
Magnesium	LCS	LCS DUP	92.0	92.0	92	0.0	0
Magnesium	LCS	LCS DUP	92.0	92.0	92	0.0	0
Magnesium	LCS	LCS DUP	92.0	92.0	92	0.0	0
Magnesium	LCS	LCS DUP	91.0	90.0	90.5	0.7	1

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-19

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Magnesium	LCS	LCS DUP	92.0	92.0	92	0.0	0
Magnesium	LCS	LCS DUP	89.0	90.0	89.5	0.7	1
Magnesium	LCS	LCS DUP	89.0	89.0	89	0.0	0
Magnesium	LCS	LCS DUP	92.0	91.0	91.5	0.7	1
Magnesium	LCS	LCS DUP	92.0	90.0	91	1.4	2
Magnesium	LCS	LCS DUP	90.0	90.0	90	0.0	0
Manganese	LCS	LCS DUP	93.0	96.0	94.5	2.1	3
Manganese	LCS	LCS DUP	93.0	96.0	94.5	2.1	3
Manganese	LCS	LCS DUP	92.0	92.0	92	0.0	0
Manganese	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Manganese	LCS	LCS DUP	92.0	94.0	93	1.4	2
Manganese	LCS	LCS DUP	88.0	84.0	86	2.8	5
Manganese	LCS	LCS DUP	86.0	88.0	87	1.4	2
Manganese	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Manganese	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Manganese	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Manganese	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Manganese	LCS	LCS DUP	92.0	92.0	92	0.0	0
Manganese	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Manganese	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Manganese	LCS	LCS DUP	94.0	92.0	93	1.4	2
Manganese	LCS	LCS DUP	92.0	89.0	90.5	2.1	3
Manganese	LCS	LCS DUP	87.0	86.0	86.5	0.7	1
Molybdenum	LCS	LCS DUP	91.0	95.0	93	2.8	4
Molybdenum	LCS	LCS DUP	94.0	97.0	95.5	2.1	3
Molybdenum	LCS	LCS DUP	95.0	93.0	94	1.4	2
Molybdenum	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Molybdenum	LCS	LCS DUP	92.0	94.0	93	1.4	2
Molybdenum	LCS	LCS DUP	87.0	83.0	85	2.8	5
Molybdenum	LCS	LCS DUP	88.0	90.0	89	1.4	2
Molybdenum	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Molybdenum	LCS	LCS DUP	91.0	92.0	91.5	0.7	1

Method = SW6010, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Characterizable

ND = Not Detected

() = Footnote Character

A-3-20

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Laboratory Control, cont.							
Molybdenum	LCS	LCS DUP	91.0	91.0	91	0.0	0
Molybdenum	LCS	LCS DUP	90.0	90.0	90	0.0	0
Molybdenum	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Molybdenum	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Molybdenum	LCS	LCS DUP	91.0	93.0	92	1.4	2
Molybdenum	LCS	LCS DUP	96.0	95.0	95.5	0.7	1
Molybdenum	LCS	LCS DUP	90.0	88.0	89	1.4	2
Molybdenum	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Nickel	LCS	LCS DUP	93.0	96.0	94.5	2.1	3
Nickel	LCS	LCS DUP	94.0	96.0	95	1.4	2
Nickel	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Nickel	LCS	LCS DUP	95.0	96.0	95.5	0.7	1
Nickel	LCS	LCS DUP	91.0	91.0	91	0.0	0
Nickel	LCS	LCS DUP	90.0	86.0	88	2.8	5
Nickel	LCS	LCS DUP	89.0	91.0	90	1.4	2
Nickel	LCS	LCS DUP	94.0	96.0	95	1.4	2
Nickel	LCS	LCS DUP	92.0	94.0	93	1.4	2
Nickel	LCS	LCS DUP	92.0	92.0	92	0.0	0
Nickel	LCS	LCS DUP	95.0	92.0	93.5	2.1	3
Nickel	LCS	LCS DUP	94.0	91.0	92.5	2.1	3
Nickel	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Nickel	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Nickel	LCS	LCS DUP	95.0	93.0	94	1.4	2
Nickel	LCS	LCS DUP	91.0	90.0	90.5	0.7	1
Nickel	LCS	LCS DUP	89.0	88.0	88.5	0.7	1
Potassium	LCS	LCS DUP	94.0	100.0	97	4.2	6
Potassium	LCS	LCS DUP	93.0	90.0	91.5	2.1	3
Potassium	LCS	LCS DUP	92.0	92.0	92	0.0	0
Potassium	LCS	LCS DUP	93.0	91.0	92	1.4	2
Potassium	LCS	LCS DUP	93.0	91.0	92	1.4	2
Potassium	LCS	LCS DUP	90.0	90.0	90	0.0	0
Potassium	LCS	LCS DUP	87.0	85.0	86	1.4	2

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-21

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Laboratory Control, cont.							
Potassium	LCS	LCS DUP	96.0	94.0	95	1.4	2
Potassium	LCS	LCS DUP	98.0	99.0	98.5	0.7	1
Potassium	LCS	LCS DUP	98.0	96.0	97	1.4	2
Potassium	LCS	LCS DUP	98.0	96.0	97	1.4	2
Potassium	LCS	LCS DUP	98.0	99.0	98.5	0.7	1
Potassium	LCS	LCS DUP	88.0	89.0	88.5	0.7	1
Potassium	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Potassium	LCS	LCS DUP	90.0	93.0	91.5	2.1	3
Potassium	LCS	LCS DUP	94.0	90.0	92	2.8	4
Potassium	LCS	LCS DUP	89.0	88.0	88.5	0.7	1
Selenium	LCS	LCS DUP	96.0	87.0	91.5	6.4	10
Selenium	LCS	LCS DUP	93.0	86.0	89.5	4.9	8
Selenium	LCS	LCS DUP	73.0 (Q)	86.0	79.5	9.2	16
Selenium	LCS	LCS DUP	114.0	84.0	99	21.2	30
Selenium	LCS	LCS DUP	108.0	98.0	103	7.1	10
Selenium	LCS	LCS DUP	90.0	86.0	88	2.8	5
Selenium	LCS	LCS DUP	86.0	86.0	86	0.0	0
Selenium	LCS	LCS DUP	94.0	97.0	95.5	2.1	3
Selenium	LCS	LCS DUP	85.0	86.0	85.5	0.7	1
Selenium	LCS	LCS DUP	82.0	85.0	83.5	2.1	4
Selenium	LCS	LCS DUP	86.0	80.0	83	4.2	7
Selenium	LCS	LCS DUP	82.0	82.0	82	0.0	0
Selenium	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Selenium	LCS	LCS DUP	97.0	92.0	94.5	3.5	5
Selenium	LCS	LCS DUP	91.0	84.0	87.5	4.9	8
Selenium	LCS	LCS DUP	83.0	84.0	83.5	0.7	1
Selenium	LCS	LCS DUP	81.0	91.0	86	7.1	12
Silver	LCS	LCS DUP	92.0	94.0	93	1.4	2
Silver	LCS	LCS DUP	91.0	94.0	92.5	2.1	3
Silver	LCS	LCS DUP	87.0	90.0	88.5	2.1	3
Silver	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Silver	LCS	LCS DUP	86.0	91.0	88.5	3.5	6

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

() = Footnote Character

A-3-22

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Laboratory Control, cont.							
Silver	LCS	LCS DUP	68.0 (Q)	83.0	75.5	10.6	20
Silver	LCS	LCS DUP	84.0	86.0	85	1.4	2
Silver	LCS	LCS DUP	87.0	94.0	90.5	4.9	8
Silver	LCS	LCS DUP	90.0	92.0	91	1.4	2
Silver	LCS	LCS DUP	92.0	84.0	88	5.7	9
Silver	LCS	LCS DUP	91.0	90.0	90.5	0.7	1
Silver	LCS	LCS DUP	90.0	90.0	90	0.0	0
Silver	LCS	LCS DUP	90.0	90.0	90	0.0	0
Silver	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Silver	LCS	LCS DUP	95.0	93.0	94	1.4	2
Silver	LCS	LCS DUP	92.0	91.0	91.5	0.7	1
Silver	LCS	LCS DUP	81.0	82.0	81.5	0.7	1
Sodium	LCS	LCS DUP	99.0	102.0	100.5	2.1	3
Sodium	LCS	LCS DUP	100.0	103.0	101.5	2.1	3
Sodium	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Sodium	LCS	LCS DUP	98.0	98.0	98	0.0	0
Sodium	LCS	LCS DUP	95.0	96.0	95.5	0.7	1
Sodium	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Sodium	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Sodium	LCS	LCS DUP	95.0	95.0	95	0.0	0
Sodium	LCS	LCS DUP	93.0	93.0	93	0.0	0
Sodium	LCS	LCS DUP	92.0	92.0	92	0.0	0
Sodium	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Sodium	LCS	LCS DUP	92.0	92.0	92	0.0	0
Sodium	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Sodium	LCS	LCS DUP	94.0	96.0	95	1.4	2
Sodium	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Sodium	LCS	LCS DUP	94.0	92.0	93	1.4	2
Sodium	LCS	LCS DUP	90.0	90.0	90	0.0	0
Thallium	LCS	LCS DUP	93.0	90.0	91.5	2.1	3
Thallium	LCS	LCS DUP	86.0	89.0	87.5	2.1	3
Thallium	LCS	LCS DUP	83.0	90.0	86.5	4.9	8

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-23

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Laboratory Control, cont.							
Thallium	LCS	LCS DUP	88.0	98.0	93	7.1	11
Thallium	LCS	LCS DUP	88.0	93.0	90.5	3.5	6
Thallium	LCS	LCS DUP	89.0	82.0	85.5	4.9	8
Thallium	LCS	LCS DUP	87.0	89.0	88	1.4	2
Thallium	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Thallium	LCS	LCS DUP	96.0	95.0	95.5	0.7	1
Thallium	LCS	LCS DUP	93.0	86.0	89.5	4.9	8
Thallium	LCS	LCS DUP	93.0	90.0	91.5	2.1	3
Thallium	LCS	LCS DUP	90.0	93.0	91.5	2.1	3
Thallium	LCS	LCS DUP	88.0	88.0	88	0.0	0
Thallium	LCS	LCS DUP	88.0	90.0	89	1.4	2
Thallium	LCS	LCS DUP	97.0	91.0	94	4.2	6
Thallium	LCS	LCS DUP	94.0	92.0	93	1.4	2
Thallium	LCS	LCS DUP	90.0	89.0	89.5	0.7	1
Vanadium	LCS	LCS DUP	95.0	98.0	96.5	2.1	3
Vanadium	LCS	LCS DUP	94.0	96.0	95	1.4	2
Vanadium	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Vanadium	LCS	LCS DUP	96.0	95.0	95.5	0.7	1
Vanadium	LCS	LCS DUP	93.0	94.0	93.5	0.7	1
Vanadium	LCS	LCS DUP	88.0	84.0	86	2.8	5
Vanadium	LCS	LCS DUP	87.0	89.0	88	1.4	2
Vanadium	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Vanadium	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Vanadium	LCS	LCS DUP	93.0	93.0	93	0.0	0
Vanadium	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Vanadium	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Vanadium	LCS	LCS DUP	91.0	91.0	91	0.0	0
Vanadium	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Vanadium	LCS	LCS DUP	96.0	94.0	95	1.4	2
Vanadium	LCS	LCS DUP	92.0	90.0	91	1.4	2
Vanadium	LCS	LCS DUP	87.0	87.0	87	0.0	0
Zinc	LCS	LCS DUP	92.0	94.0	93	1.4	2

Compiled: 11 May 1994

NC = Not Confirmed ND = Not Detected ( ) = Footnote Character

A-3-24



TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Laboratory Control, cont.							
Zinc	LCS	LCS DUP	92.0	94.0	93	1.4	2
Zinc	LCS	LCS DUP	89.0	89.0	89	0.0	0
Zinc	LCS	LCS DUP	91.0	90.0	90.5	0.7	1
Zinc	LCS	LCS DUP	89.0	90.0	89.5	0.7	1
Zinc	LCS	LCS DUP	87.0	83.0	85	2.8	5
Zinc	LCS	LCS DUP	85.0	87.0	86	1.4	2
Zinc	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Zinc	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Zinc	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Zinc	LCS	LCS DUP	90.0	90.0	90	0.0	0
Zinc	LCS	LCS DUP	90.0	89.0	89.5	0.7	1
Zinc	LCS	LCS DUP	89.0	90.0	89.5	0.7	1
Zinc	LCS	LCS DUP	89.0	90.0	89.5	0.7	1
Zinc	LCS	LCS DUP	93.0	91.0	92	1.4	2
Zinc	LCS	LCS DUP	91.0	88.0	89.5	2.1	3
Zinc	LCS	LCS DUP	86.0	86.0	86	0.0	0
Type = Matrix Spike							
Aluminum	01-SS-07-01 MS	01-SS-07-01 MSD	179.0 (Q)	142.0 (Q)	160.5	26.2	23
Aluminum	04-DS-01 MS	04-DS-01 MSD	223.0 (QY)	321.0 (QY)	272	69.3	36
Aluminum	05-DS-01 MS	05-DS-01 MSD	137.0 (Q)	147.0 (Q)	142	7.1	7
Aluminum	05-MW-04-02 MS	05-MW-04-02 MSD	427.0 (Q)	506.0 (Q)	466.5	55.9	17
Aluminum	06-DS-01 MS	06-DS-01 MSD	163.0 (Q)	232.0 (QY)	197.5	48.8	35
Aluminum	06-DS-02 MS	06-DS-02 MSD	0.00 (Q)	383.0 (QY)	191.5	270.8	200
Aluminum	06-SS-01-01 MS	06-SS-01-01 MSD	298.0 (Q)	345.0 (Q)	321.5	33.2	15
Aluminum	07-DS-03 MS	07-DS-03 MSD	539.0 (Q)	637.0 (Q)	588	69.3	17
Aluminum	07-MW-03-02 MS	07-MW-03-02 MSD	469.0 (QY)	337.0 (QY)	403	93.3	33
Aluminum	07-MW-04-02 MS	07-MW-04-02 MSD	178.0 (QY)	315.0 (QY)	246.5	96.9	56
Aluminum	10-DS-01 MS	10-DS-01 MSD	207.0 (Q)	255.0 (Q)	231	33.9	21
Antimony	01-SS-07-01 MS	01-SS-07-01 MSD	70.0 (Q)	69.0 (Q)	69.5	0.7	1
Antimony	04-DS-01 MS	04-DS-01 MSD	70.0 (Q)	75.0	72.5	3.5	7
Antimony	05-DS-01 MS	05-DS-01 MSD	76.0	81.0	78.5	3.5	6

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-25

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Antimony	05-MW-04-02 MS	05-MW-04-02 MSD	63.0 (Q)	66.0 (Q)	64.5	2.1	5
Antimony	06-DS-01 MS	06-DS-01 MSD	60.0 (Q)	51.0 (Q)	55.5	6.4	16
Antimony	06-DS-02 MS	06-DS-02 MSD	70.0 (Q)	71.0 (Q)	70.5	0.7	1
Antimony	06-SS-01-01 MS	06-SS-01-01 MSD	68.0 (Q)	60.0 (Q)	64	5.7	13
Antimony	07-DS-03 MS	07-DS-03 MSD	49.0 (Q)	49.0 (Q)	49	0.0	0
Antimony	07-MW-03-02 MS	07-MW-03-02 MSD	74.0 (Q)	72.0 (Q)	73	1.4	3
Antimony	07-MW-04-02 MS	07-MW-04-02 MSD	69.0 (Q)	64.0 (Q)	66.5	3.5	8
Antimony	10-DS-01 MS	10-DS-01 MSD	43.0 (Q)	45.0 (Q)	44	1.4	5
Arsenic	01-SS-07-01 MS	01-SS-07-01 MSD	116.0	112.0	114	2.8	4
Arsenic	04-DS-01 MS	04-DS-01 MSD	105.0	102.0	103.5	2.1	3
Arsenic	05-DS-01 MS	05-DS-01 MSD	95.0	86.0	90.5	6.4	10
Arsenic	05-MW-04-02 MS	05-MW-04-02 MSD	106.0	107.0	106.5	0.7	1
Arsenic	06-DS-01 MS	06-DS-01 MSD	105.0	113.0	109	5.7	7
Arsenic	06-DS-02 MS	06-DS-02 MSD	99.0	109.0	104	7.1	10
Arsenic	06-SS-01-01 MS	06-SS-01-01 MSD	117.0	105.0	111	8.5	11
Arsenic	07-DS-03 MS	07-DS-03 MSD	105.0	122.0	113.5	12.0	15
Arsenic	07-MW-03-02 MS	07-MW-03-02 MSD	106.0	101.0	103.5	3.5	5
Arsenic	07-MW-04-02 MS	07-MW-04-02 MSD	98.0	95.0	96.5	2.1	3
Arsenic	10-DS-01 MS	10-DS-01 MSD	109.0	119.0	114	7.1	9
Barium	01-SS-07-01 MS	01-SS-07-01 MSD	126.0 (Q)	170.0 (Q)	148	31.1	30
Barium	04-DS-01 MS	04-DS-01 MSD	112.0	126.0 (Q)	119	9.9	12
Barium	05-DS-01 MS	05-DS-01 MSD	69.0 (Q)	70.0 (Q)	69.5	0.7	1
Barium	05-MW-04-02 MS	05-MW-04-02 MSD	137.0 (Q)	139.0 (Q)	138	1.4	1
Barium	06-DS-01 MS	06-DS-01 MSD	86.0	101.0	93.5	10.6	16
Barium	06-DS-02 MS	06-DS-02 MSD	24.0 (Q)	120.0 (Y)	72	67.9	133
Barium	06-SS-01-01 MS	06-SS-01-01 MSD	106.0	119.0	112.5	9.2	12
Barium	07-DS-03 MS	07-DS-03 MSD	159.0 (Q)	203.0 (Q)	181	31.1	24
Barium	07-MW-03-02 MS	07-MW-03-02 MSD	162.0 (Q)	123.0	142.5	27.6	27
Barium	07-MW-04-02 MS	07-MW-04-02 MSD	114.0	110.0	112	2.8	4
Barium	10-DS-01 MS	10-DS-01 MSD	109.0	100.0	104.5	6.4	9
Beryllium	01-SS-07-01 MS	01-SS-07-01 MSD	95.0	95.0	95	0.0	0
Beryllium	04-DS-01 MS	04-DS-01 MSD	92.0	92.0	92	0.0	0

Method = SW6010, cont.

Type = Matrix Spike, cont.

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

( ) = Footnote Character

A-3-26

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Beryllium	05-DS-01 MS	05-DS-01 MSD	91.0	92.0	91.5	0.7	1
Beryllium	05-MW-04-02 MS	05-MW-04-02 MSD	89.0	89.0	89	0.0	0
Beryllium	06-DS-01 MS	06-DS-01 MSD	93.0	93.0	93	0.0	0
Beryllium	06-DS-02 MS	06-DS-02 MSD	92.0	91.0	91.5	0.7	1
Beryllium	06-SS-01-01 MS	06-SS-01-01 MSD	90.0	90.0	90	0.0	0
Beryllium	07-DS-03 MS	07-DS-03 MSD	95.0	104.0	99.5	6.4	9
Beryllium	07-MW-03-02 MS	07-MW-03-02 MSD	92.0	94.0	93	1.4	2
Beryllium	07-MW-04-02 MS	07-MW-04-02 MSD	92.0	92.0	92	0.0	0
Beryllium	10-DS-01 MS	10-DS-01 MSD	92.0	91.0	91.5	0.7	1
Cadmium	01-SS-07-01 MS	01-SS-07-01 MSD	95.0	94.0	94.5	0.7	1
Cadmium	04-DS-01 MS	04-DS-01 MSD	90.0	90.0	90	0.0	0
Cadmium	05-DS-01 MS	05-DS-01 MSD	88.0	89.0	88.5	0.7	1
Cadmium	05-MW-04-02 MS	05-MW-04-02 MSD	88.0	88.0	88	0.0	0
Cadmium	06-DS-01 MS	06-DS-01 MSD	91.0	90.0	90.5	0.7	1
Cadmium	06-DS-02 MS	06-DS-02 MSD	90.0	88.0	89	1.4	2
Cadmium	06-SS-01-01 MS	06-SS-01-01 MSD	88.0	88.0	88	0.0	0
Cadmium	07-DS-03 MS	07-DS-03 MSD	91.0	101.0	96	7.1	10
Cadmium	07-MW-03-02 MS	07-MW-03-02 MSD	89.0	91.0	90	1.4	2
Cadmium	07-MW-04-02 MS	07-MW-04-02 MSD	91.0	91.0	91	0.0	0
Cadmium	10-DS-01 MS	10-DS-01 MSD	90.0	89.0	89.5	0.7	1
Calcium	01-SS-07-01 MS	01-SS-07-01 MSD	110.0 (Y)	72.0 (QV)	91	26.9	42
Calcium	04-DS-01 MS	04-DS-01 MSD	103.0	106.0	104.5	2.1	3
Calcium	05-DS-01 MS	05-DS-01 MSD	143.0 (Q)	15.0 (QV)	79	90.5	162
Calcium	05-MW-04-02 MS	05-MW-04-02 MSD	317.0 (QV)	433.0 (QV)	375	82.0	31
Calcium	06-DS-01 MS	06-DS-01 MSD	0.00 (Q)	48.0 (QV)	24	33.9	200
Calcium	06-DS-02 MS	06-DS-02 MSD	0.00 (Q)	155.0 (QV)	77.5	109.6	200
Calcium	06-SS-01-01 MS	06-SS-01-01 MSD	208.0 (Q)	194.0 (Q)	201	9.9	7
Calcium	07-DS-03 MS	07-DS-03 MSD	260.0 (QV)	400.0 (QV)	330	99.0	42
Calcium	07-MW-03-02 MS	07-MW-03-02 MSD	348.0 (QV)	164.0 (QV)	256	130.1	72
Calcium	07-MW-04-02 MS	07-MW-04-02 MSD	476.0 (Q)	405.0 (Q)	440.5	50.2	16
Calcium	10-DS-01 MS	10-DS-01 MSD	89.0	117.0	103	19.8	27
Chromium	01-SS-07-01 MS	01-SS-07-01 MSD	98.0 (Y)	352.0 (QV)	225	179.6	113

Method = SW6010, cont.

Type = Matrix Spike, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-27

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Chromium	04-DS-01 MS	04-DS-01 MSD	92.0	93.0	92.5	0.7	1
Chromium	05-DS-01 MS	05-DS-01 MSD	90.0	91.0	90.5	0.7	1
Chromium	05-MW-04-02 MS	05-MW-04-02 MSD	94.0	97.0	95.5	2.1	3
Chromium	06-DS-01 MS	06-DS-01 MSD	94.0	96.0	95	1.4	2
Chromium	06-DS-02 MS	06-DS-02 MSD	87.0	97.0	92	7.1	11
Chromium	06-SS-01-01 MS	06-SS-01-01 MSD	92.0	92.0	92	0.0	0
Chromium	07-DS-03 MS	07-DS-03 MSD	98.0	109.0	103.5	7.8	11
Chromium	07-MW-03-02 MS	07-MW-03-02 MSD	94.0	93.0	93.5	0.7	1
Chromium	07-MW-04-02 MS	07-MW-04-02 MSD	94.0	96.0	95	1.4	2
Chromium	10-DS-01 MS	10-DS-01 MSD	93.0	92.0	92.5	0.7	1
Cobalt	01-SS-07-01 MS	01-SS-07-01 MSD	95.0	94.0	94.5	0.7	1
Cobalt	04-DS-01 MS	04-DS-01 MSD	89.0	89.0	89	0.0	0
Cobalt	05-DS-01 MS	05-DS-01 MSD	90.0	89.0	89.5	0.7	1
Cobalt	05-MW-04-02 MS	05-MW-04-02 MSD	88.0	88.0	88	0.0	0
Cobalt	06-DS-01 MS	06-DS-01 MSD	93.0	94.0	93.5	0.7	1
Cobalt	06-DS-02 MS	06-DS-02 MSD	87.0	90.0	88.5	2.1	3
Cobalt	06-SS-01-01 MS	06-SS-01-01 MSD	88.0	90.0	89	1.4	2
Cobalt	07-DS-03 MS	07-DS-03 MSD	92.0	102.0	97	7.1	10
Cobalt	07-MW-03-02 MS	07-MW-03-02 MSD	88.0	90.0	89	1.4	2
Cobalt	07-MW-04-02 MS	07-MW-04-02 MSD	91.0	92.0	91.5	0.7	1
Cobalt	10-DS-01 MS	10-DS-01 MSD	90.0	89.0	89.5	0.7	1
Copper	01-SS-07-01 MS	01-SS-07-01 MSD	97.0	94.0	95.5	2.1	3
Copper	04-DS-01 MS	04-DS-01 MSD	94.0	92.0	93	1.4	2
Copper	05-DS-01 MS	05-DS-01 MSD	86.0	88.0	87	1.4	2
Copper	05-MW-04-02 MS	05-MW-04-02 MSD	90.0	90.0	90	0.0	0
Copper	06-DS-01 MS	06-DS-01 MSD	96.0	93.0	94.5	2.1	3
Copper	06-DS-02 MS	06-DS-02 MSD	78.0	100.0 (Y)	89	15.6	25
Copper	06-SS-01-01 MS	06-SS-01-01 MSD	99.0 (Y)	73.0 (QY)	86	18.4	30
Copper	07-DS-03 MS	07-DS-03 MSD	94.0	106.0	100	8.5	12
Copper	07-MW-03-02 MS	07-MW-03-02 MSD	96.0	94.0	95	1.4	2
Copper	07-MW-04-02 MS	07-MW-04-02 MSD	94.0	93.0	93.5	0.7	1
Copper	10-DS-01 MS	10-DS-01 MSD	90.0	91.0	90.5	0.7	1

Method = SW6010, cont.

Type = Matrix Spike, cont.

Compiled: 11 May 1994

NC = Not Cachable

ND = Not Detected ( ) = Footnote Character

A-3-28

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Matrix Spike, cont.							
Iron	01-SS-07-01 MS	01-SS-07-01 MSD	0.00 (Q)	0.00 (Q)	0	0.0	NC
Iron	04-DS-01 MS	04-DS-01 MSD	116.0	149.0 (Q)	132.5	23.3	25
Iron	05-DS-01 MS	05-DS-01 MSD	0.00 (Q)	0.00 (Q)	0	0.0	NC
Iron	05-MW-04-02 MS	05-MW-04-02 MSD	220.0 (QV)	318.0 (QV)	269	69.3	36
Iron	06-DS-01 MS	06-DS-01 MSD	18.0 (Q)	39.0 (QV)	28.5	14.8	74
Iron	06-DS-02 MS	06-DS-02 MSD	0.00 (Q)	364.0 (QV)	182	257.4	200
Iron	06-SS-01-01 MS	06-SS-01-01 MSD	42.0 (QV)	76.0 (Y)	59	24.0	58
Iron	07-DS-03 MS	07-DS-03 MSD	129.0 (QV)	214.0 (QV)	171.5	60.1	50
Iron	07-MW-03-02 MS	07-MW-03-02 MSD	427.0 (QV)	247.0 (QV)	337	127.3	53
Iron	07-MW-04-02 MS	07-MW-04-02 MSD	251.0 (QV)	156.0 (QV)	203.5	67.2	47
Iron	10-DS-01 MS	10-DS-01 MSD	16.0 (Q)	60.0 (QV)	38	31.1	116
Lead	01-SS-07-01 MS	01-SS-07-01 MSD	94.0 (Y)	992.0 (QV)	543	635.0	165
Lead	04-DS-01 MS	04-DS-01 MSD	89.0	92.0	90.5	2.1	3
Lead	05-DS-01 MS	05-DS-01 MSD	91.0	92.0	91.5	0.7	1
Lead	05-MW-04-02 MS	05-MW-04-02 MSD	90.0	85.0	87.5	3.5	6
Lead	06-DS-01 MS	06-DS-01 MSD	93.0	93.0	93	0.0	0
Lead	06-DS-02 MS	06-DS-02 MSD	97.0	95.0	96	1.4	2
Lead	06-SS-01-01 MS	06-SS-01-01 MSD	86.0	75.0	80.5	7.8	14
Lead	07-DS-03 MS	07-DS-03 MSD	92.0	103.0	97.5	7.8	11
Lead	07-MW-03-02 MS	07-MW-03-02 MSD	92.0	90.0	91	1.4	2
Lead	07-MW-04-02 MS	07-MW-04-02 MSD	90.0	94.0	92	2.8	4
Lead	10-DS-01 MS	10-DS-01 MSD	87.0	92.0	89.5	3.5	6
Magnesium	01-SS-07-01 MS	01-SS-07-01 MSD	91.0	93.0	92	1.4	2
Magnesium	04-DS-01 MS	04-DS-01 MSD	77.0	82.0	79.5	3.5	6
Magnesium	05-DS-01 MS	05-DS-01 MSD	62.0 (Q)	43.0 (QV)	52.5	13.4	36
Magnesium	05-MW-04-02 MS	05-MW-04-02 MSD	146.0 (Q)	177.0 (Q)	161.5	21.9	19
Magnesium	06-DS-01 MS	06-DS-01 MSD	59.0 (Q)	85.0 (Y)	72	18.4	36
Magnesium	06-DS-02 MS	06-DS-02 MSD	0.00 (Q)	201.0 (QV)	100.5	142.1	200
Magnesium	06-SS-01-01 MS	06-SS-01-01 MSD	74.0 (QV)	135.0 (QV)	104.5	43.1	58
Magnesium	07-DS-03 MS	07-DS-03 MSD	129.0 (Q)	149.0 (Q)	139	14.1	14
Magnesium	07-MW-03-02 MS	07-MW-03-02 MSD	206.0 (Q)	165.0 (Q)	185.5	29.0	22
Magnesium	07-MW-04-02 MS	07-MW-04-02 MSD	179.0 (Q)	156.0 (Q)	167.5	16.3	14

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Magnesium	10-DS-01 MS	10-DS-01 MSD	114.0	103.0	108.5	7.8	10
Manganese	01-SS-07-01 MS	01-SS-07-01 MSD	93.0	70.0 (Q)	81.5	16.3	28
Manganese	04-DS-01 MS	04-DS-01 MSD	149.0 (Q)	140.0 (Q)	144.5	6.4	6
Manganese	05-DS-01 MS	05-DS-01 MSD	77.0	66.0 (Q)	71.5	7.8	15
Manganese	05-MW-04-02 MS	05-MW-04-02 MSD	108.0	126.0 (Q)	117	12.7	15
Manganese	06-DS-01 MS	06-DS-01 MSD	66.0 (Q)	75.0 (Q)	70.5	6.4	13
Manganese	06-DS-02 MS	06-DS-02 MSD	0.00 (Q)	177.0 (QY)	88.5	125.2	200
Manganese	06-SS-01-01 MS	06-SS-01-01 MSD	12.0 (QY)	55.0 (QY)	33.5	30.4	128
Manganese	07-DS-03 MS	07-DS-03 MSD	104.0 (Y)	273.0 (QY)	188.5	119.5	90
Manganese	07-MW-03-02 MS	07-MW-03-02 MSD	158.0 (QY)	100.0 (Y)	129	41.0	45
Manganese	07-MW-04-02 MS	07-MW-04-02 MSD	238.0 (Q)	192.0 (Q)	215	32.5	21
Manganese	10-DS-01 MS	10-DS-01 MSD	36.0 (Q)	91.0 (Y)	63.5	38.9	87
Molybdenum	01-SS-07-01 MS	01-SS-07-01 MSD	96.0	95.0	95.5	0.7	1
Molybdenum	04-DS-01 MS	04-DS-01 MSD	88.0	88.0	88	0.0	0
Molybdenum	05-DS-01 MS	05-DS-01 MSD	91.0	94.0	92.5	2.1	3
Molybdenum	05-MW-04-02 MS	05-MW-04-02 MSD	84.0	84.0	84	0.0	0
Molybdenum	06-DS-01 MS	06-DS-01 MSD	92.0	94.0	93	1.4	2
Molybdenum	06-DS-02 MS	06-DS-02 MSD	96.0	93.0	94.5	2.1	3
Molybdenum	06-SS-01-01 MS	06-SS-01-01 MSD	91.0	90.0	90.5	0.7	1
Molybdenum	07-DS-03 MS	07-DS-03 MSD	91.0	100.0	95.5	6.4	9
Molybdenum	07-MW-03-02 MS	07-MW-03-02 MSD	87.0	88.0	87.5	0.7	1
Molybdenum	07-MW-04-02 MS	07-MW-04-02 MSD	90.0	90.0	90	0.0	0
Molybdenum	10-DS-01 MS	10-DS-01 MSD	90.0	90.0	90	0.0	0
Nickel	01-SS-07-01 MS	01-SS-07-01 MSD	92.0	92.0	92	0.0	0
Nickel	04-DS-01 MS	04-DS-01 MSD	89.0	88.0	88.5	0.7	1
Nickel	05-DS-01 MS	05-DS-01 MSD	86.0	83.0	84.5	2.1	4
Nickel	05-MW-04-02 MS	05-MW-04-02 MSD	90.0	90.0	90	0.0	0
Nickel	06-DS-01 MS	06-DS-01 MSD	91.0	89.0	90	1.4	2
Nickel	06-DS-02 MS	06-DS-02 MSD	80.0	92.0	86	8.5	14
Nickel	06-SS-01-01 MS	06-SS-01-01 MSD	88.0	94.0	91	4.2	7
Nickel	07-DS-03 MS	07-DS-03 MSD	90.0	99.0	94.5	6.4	10
Nickel	07-MW-03-02 MS	07-MW-03-02 MSD	94.0	94.0	94	0.0	0

Method = SW6010, cont.

Type = Matrix Spike, cont.

Compiled: 11 May 1994

NC = Not C

able

ND = Not Detected

() = Footnote Character

A-3-30

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Matrix Spike, cont.							
Nickel	07-MW-04-02 MS	07-MW-04-02 MSD	92.0	93.0	92.5	0.7	1
Nickel	10-DS-01 MS	10-DS-01 MSD	87.0	87.0	87	0.0	0
Potassium	01-SS-07-01 MS	01-SS-07-01 MSD	94.0	90.0	92	2.8	4
Potassium	04-DS-01 MS	04-DS-01 MSD	99.0	109.0	104	7.1	10
Potassium	05-DS-01 MS	05-DS-01 MSD	84.0	84.0	84	0.0	0
Potassium	05-MW-04-02 MS	05-MW-04-02 MSD	113.0	121.0	117	5.7	7
Potassium	06-DS-01 MS	06-DS-01 MSD	92.0	92.0	92	0.0	0
Potassium	06-DS-02 MS	06-DS-02 MSD	76.0	94.0 (Y)	85	12.7	21
Potassium	06-SS-01-01 MS	06-SS-01-01 MSD	104.0	100.0	102	2.8	4
Potassium	07-DS-03 MS	07-DS-03 MSD	141.0 (Q)	147.0 (Q)	144	4.2	4
Potassium	07-MW-03-02 MS	07-MW-03-02 MSD	111.0	94.0	102.5	12.0	17
Potassium	07-MW-04-02 MS	07-MW-04-02 MSD	105.0	119.0	112	9.9	13
Potassium	10-DS-01 MS	10-DS-01 MSD	93.0	90.0	91.5	2.1	3
Selenium	01-SS-07-01 MS	01-SS-07-01 MSD	89.0	94.0	91.5	3.5	5
Selenium	04-DS-01 MS	04-DS-01 MSD	87.0	92.0	89.5	3.5	6
Selenium	05-DS-01 MS	05-DS-01 MSD	128.0 (Q)	118.0	123	7.1	8
Selenium	05-MW-04-02 MS	05-MW-04-02 MSD	99.0	93.0	96	4.2	6
Selenium	06-DS-01 MS	06-DS-01 MSD	95.0	133.0 (QY)	114	26.9	33
Selenium	06-DS-02 MS	06-DS-02 MSD	100.0	95.0	97.5	3.5	5
Selenium	06-SS-01-01 MS	06-SS-01-01 MSD	85.0	92.0	88.5	4.9	8
Selenium	07-DS-03 MS	07-DS-03 MSD	93.0	99.0	96	4.2	6
Selenium	07-MW-03-02 MS	07-MW-03-02 MSD	97.0	90.0	93.5	4.9	7
Selenium	07-MW-04-02 MS	07-MW-04-02 MSD	88.0	85.0	86.5	2.1	3
Selenium	10-DS-01 MS	10-DS-01 MSD	100.0	103.0	101.5	2.1	3
Silver	01-SS-07-01 MS	01-SS-07-01 MSD	84.0	84.0	84	0.0	0
Silver	04-DS-01 MS	04-DS-01 MSD	87.0	85.0	86	1.4	2
Silver	05-DS-01 MS	05-DS-01 MSD	89.0	89.0	89	0.0	0
Silver	05-MW-04-02 MS	05-MW-04-02 MSD	86.0	87.0	86.5	0.7	1
Silver	06-DS-01 MS	06-DS-01 MSD	89.0	89.0	89	0.0	0
Silver	06-DS-02 MS	06-DS-02 MSD	90.0	88.0	89	1.4	2
Silver	06-SS-01-01 MS	06-SS-01-01 MSD	80.0	84.0	82	2.8	5
Silver	07-DS-03 MS	07-DS-03 MSD	88.0	94.0	91	4.2	7

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-31

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Matrix Spike, cont.							
Silver	07-MW-03-02 MS	07-MW-03-02 MSD	86.0	88.0	87	1.4	2
Silver	07-MW-04-02 MS	07-MW-04-02 MSD	88.0	94.0	91	4.2	7
Silver	10-DS-01 MS	10-DS-01 MSD	89.0	88.0	88.5	0.7	1
Sodium	01-SS-07-01 MS	01-SS-07-01 MSD	109.0	108.0	108.5	0.7	1
Sodium	04-DS-01 MS	04-DS-01 MSD	107.0	116.0	111.5	6.4	8
Sodium	05-DS-01 MS	05-DS-01 MSD	105.0	107.0	106	1.4	2
Sodium	05-MW-04-02 MS	05-MW-04-02 MSD	116.0	122.0	119	4.2	5
Sodium	06-DS-01 MS	06-DS-01 MSD	102.0	108.0	105	4.2	6
Sodium	06-DS-02 MS	06-DS-02 MSD	93.0	108.0	100.5	10.6	15
Sodium	06-SS-01-01 MS	06-SS-01-01 MSD	103.0	103.0	103	0.0	0
Sodium	07-DS-03 MS	07-DS-03 MSD	113.0	119.0	116	4.2	5
Sodium	07-MW-03-02 MS	07-MW-03-02 MSD	105.0	103.0	104	1.4	2
Sodium	07-MW-04-02 MS	07-MW-04-02 MSD	101.0	106.0	103.5	3.5	5
Sodium	10-DS-01 MS	10-DS-01 MSD	102.0	107.0	104.5	3.5	5
Thallium	01-SS-07-01 MS	01-SS-07-01 MSD	97.0	91.0	94	4.2	6
Thallium	04-DS-01 MS	04-DS-01 MSD	86.0	88.0	87	1.4	2
Thallium	05-DS-01 MS	05-DS-01 MSD	87.0	81.0	84	4.2	7
Thallium	05-MW-04-02 MS	05-MW-04-02 MSD	90.0	87.0	88.5	2.1	3
Thallium	06-DS-01 MS	06-DS-01 MSD	89.0	85.0	87	2.8	5
Thallium	06-DS-02 MS	06-DS-02 MSD	82.0	84.0	83	1.4	2
Thallium	06-SS-01-01 MS	06-SS-01-01 MSD	91.0	93.0	92	1.4	2
Thallium	07-DS-03 MS	07-DS-03 MSD	96.0	110.0	103	9.9	14
Thallium	07-MW-03-02 MS	07-MW-03-02 MSD	83.0	88.0	85.5	3.5	6
Thallium	07-MW-04-02 MS	07-MW-04-02 MSD	90.0	91.0	90.5	0.7	1
Thallium	10-DS-01 MS	10-DS-01 MSD	94.0	82.0	88	8.5	14
Vanadium	01-SS-07-01 MS	01-SS-07-01 MSD	95.0	93.0	94	1.4	2
Vanadium	04-DS-01 MS	04-DS-01 MSD	93.0	96.0	94.5	2.1	3
Vanadium	05-DS-01 MS	05-DS-01 MSD	92.0	92.0	92	0.0	0
Vanadium	05-MW-04-02 MS	05-MW-04-02 MSD	98.0	102.0	100	2.8	4
Vanadium	06-DS-01 MS	06-DS-01 MSD	96.0	100.0	98	2.8	4
Vanadium	06-DS-02 MS	06-DS-02 MSD	83.0	100.0	91.5	12.0	19
Vanadium	06-SS-01-01 MS	06-SS-01-01 MSD	95.0	97.0	96	1.4	2

Compiled: 11 May 1994

NC = Not Confirmed ND = Not Detected ( ) = Footnote Character



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW6010, cont.							
Type = Matrix Spike, cont.							
Vanadium	07-DS-03 MS	07-DS-03 MSD	108.0	121.0	114.5	9.2	11
Vanadium	07-MW-03-02 MS	07-MW-03-02 MSD	101.0	96.0	98.5	3.5	5
Vanadium	07-MW-04-02 MS	07-MW-04-02 MSD	94.0	100.0	97	4.2	6
Vanadium	10-DS-01 MS	10-DS-01 MSD	95.0	95.0	95	0.0	0
Zinc	01-SS-07-01 MS	01-SS-07-01 MSD	88.0	104.0	96	11.3	17
Zinc	04-DS-01 MS	04-DS-01 MSD	86.0	85.0	85.5	0.7	1
Zinc	05-DS-01 MS	05-DS-01 MSD	81.0	80.0	80.5	0.7	1
Zinc	05-MW-04-02 MS	05-MW-04-02 MSD	90.0	91.0	90.5	0.7	1
Zinc	06-DS-01 MS	06-DS-01 MSD	88.0	87.0	87.5	0.7	1
Zinc	06-DS-02 MS	06-DS-02 MSD	61.0 (Q)	103.0 (Y)	82	29.7	51
Zinc	06-SS-01-01 MS	06-SS-01-01 MSD	113.0 (Y)	0.00 (QY)	56.5	79.9	200
Zinc	07-DS-03 MS	07-DS-03 MSD	88.0	101.0	94.5	9.2	14
Zinc	07-MW-03-02 MS	07-MW-03-02 MSD	99.0	95.0	97	2.8	4
Zinc	07-MW-04-02 MS	07-MW-04-02 MSD	97.0	92.0	94.5	3.5	5
Zinc	10-DS-01 MS	10-DS-01 MSD	88.0	90.0	89	1.4	2
Method = SW7060							
Type = Field Duplicate							
Arsenic	01-SD-01-01	01-DS-01	11.0	10.0	10.5	0.7	10
Arsenic	01-SS-07-01	01-DS-02	4.4	4.6	4.5	0.1	4
Arsenic	01-SD-02-01	01-DS-03	11.0	10.0	10.5	0.7	10
Arsenic	04-SD-02-01	04-DS-01	11.0	12.0	11.5	0.7	9
Arsenic	05-SB-03-01	05-DS-01	14.0	13.0	13.5	0.7	7
Arsenic	05-MW-03-02	05-DS-02	8.1	6.8	7.45	0.9	17
Arsenic	05-SS-13-01	05-DS-03	5.2	5.3	5.25	0.1	2
Arsenic	05-SD-01-01	05-DS-04	7.1	6.5	6.8	0.4	9
Arsenic	06-MW-03-02	06-DS-01	7.5	7.9	7.7	0.3	5
Arsenic	06-SB-01-01	06-DS-02	8.6	15.0	11.8	4.5	54
Arsenic	07-MW-03-02	07-DS-01	8.2	7.3	7.75	0.6	12
Arsenic	07-SS-01-01	07-DS-02	8.7	11.0	9.85	1.6	23
Arsenic	07-SD-01-01	07-DS-03	12.0	9.2	10.6	2.0	26

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-33

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW7060, cont.							
Type = Field Duplicate, cont.							
Arsenic	09-MW-06-02	09-DS-01	8.3	6.7	7.5	1.1	21
Arsenic	10-MW-01-01	10-DS-01	8.5	12.0	10.25	2.5	34
Arsenic	10-SS-03-01	10-DS-02	23.0	32.0	27.5	6.4	33
Arsenic	11-SS-01-01	11-DS-01	33.0	38.0	35.5	3.5	14
Type = Laboratory Control							
Arsenic	LCS	LCS DUP	100.0	101.0	100.5	0.7	1
Arsenic	LCS	LCS DUP	99.0	101.0	100	1.4	2
Arsenic	LCS	LCS DUP	90.0	90.0	90	0.0	0
Arsenic	LCS	LCS DUP	87.0	86.0	86.5	0.7	1
Arsenic	LCS	LCS DUP	97.0	99.0	98	1.4	2
Arsenic	LCS	LCS DUP	99.0	98.0	98.5	0.7	1
Arsenic	LCS	LCS DUP	97.0	98.0	97.5	0.7	1
Arsenic	LCS	LCS DUP	98.0	96.0	97	1.4	2
Arsenic	LCS	LCS DUP	95.0	96.0	95.5	0.7	1
Arsenic	LCS	LCS DUP	98.0	98.0	98	0.0	0
Arsenic	LCS	LCS DUP	99.0	100.0	99.5	0.7	1
Arsenic	LCS	LCS DUP	97.0	95.0	96	1.4	2
Arsenic	LCS	LCS DUP	95.0	93.0	94	1.4	2
Arsenic	LCS	LCS DUP	98.0	97.0	97.5	0.7	1
Arsenic	LCS	LCS DUP	96.0	95.0	95.5	0.7	1
Arsenic	LCS	LCS DUP	99.0	100.0	99.5	0.7	1
Arsenic	LCS	LCS DUP	90.0	88.0	89	1.4	2
Arsenic	LCS	LCS DUP	104.0	102.0	103	1.4	2
Arsenic	LCS	LCS DUP	89.0	89.0	89	0.0	0
Arsenic	LCS	LCS DUP	98.0	97.0	97.5	0.7	1
Type = Matrix Spike							
Arsenic	01-SS-07-01 MS	01-SS-07-01 MSD	103.0	100.0	101.5	2.1	3
Arsenic	04-DS-01 MS	04-DS-01 MSD	108.0	104.0	106	2.8	4
Arsenic	05-DS-01 MS	05-DS-01 MSD	105.0	99.0	102	4.2	6
Arsenic	05-MW-04-02 MS	05-MW-04-02 MSD	94.0	89.0	91.5	3.5	5

Compiled: 11 May 1994

NC = Not Cachable

ND = Not Detected

() = Footnote Character

A-3-34

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW7060, cont.							
Type = Matrix Spike, cont.							
Arsenic	06-DS-01 MS	06-DS-01 MSD	84.0	79.0	81.5	3.5	6
Arsenic	06-DS-02 MS	06-DS-02 MSD	72.0	(Q)	73	1.4	3
Arsenic	06-SS-01-01 MS	06-SS-01-01 MSD	155.0	(Q)	236.5	115.3	69
Arsenic	07-DS-03 MS	07-DS-03 MSD	114.0	92.0	103	15.6	21
Arsenic	07-MW-03-02 MS	07-MW-03-02 MSD	108.0	116.0	112	5.7	7
Arsenic	07-MW-04-02 MS	07-MW-04-02 MSD	98.0	91.0	94.5	4.9	7
Arsenic	09-SS-03-01 MS	09-SS-03-01 MSD	83.0	82.0	82.5	0.7	1
Arsenic	10-DS-01 MS	10-DS-01 MSD	104.0	107.0	105.5	2.1	3
Method = SW7421							
Type = Field Duplicate							
Lead	01-SD-01-01	01-DS-01	13.0	5.4 (Z@)	9.2	5.4	83
Lead	01-SS-07-01	01-DS-02	73.0	87.0	80	9.9	18
Lead	01-SD-02-01	01-DS-03	9.7	8.1 (Z)	8.9	1.1	18
Lead	04-SD-02-01	04-DS-01	5.9	7.1	6.5	0.8	18
Lead	05-SB-03-01	05-DS-01	8.4	8.6	8.5	0.1	2
Lead	05-MW-03-02	05-DS-02	6.2	3.9	5.05	1.6	46
Lead	05-SS-13-01	05-DS-03	12.0	11.0	11.5	0.7	9
Lead	05-SD-01-01	05-DS-04	9.2	8.2	8.7	0.7	11
Lead	06-MW-03-02	06-DS-01	12.0	14.0	13	1.4	15
Lead	06-SB-01-01	06-DS-02	9.5	11.0	10.25	1.1	15
Lead	07-MW-03-02	07-DS-01	6.7	7.1	6.9	0.3	6
Lead	07-SS-01-01	07-DS-02	16.0	21.0 (Z)	18.5	3.5	27
Lead	07-SD-01-01	07-DS-03	16.0	14.0 (Z)	15	1.4	13
Lead	09-MW-06-02	09-DS-01	7.2	7.1 (Z)	7.15	0.1	1
Lead	10-MW-01-01	10-DS-01	15.0	9.4	12.2	4.0	46
Lead	10-SS-03-01	10-DS-02	22.0	28.0 (Z)	25	4.2	24
Lead	11-SS-01-01	11-DS-01	38.0	36.0	37	1.4	5
Type = Laboratory Control							
Lead	LCS	LCS DUP	99.0	98.0	98.5	0.7	1

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-35

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW7421, cont.							
Type = Laboratory Control, cont.							
Lead	LCS	LCS DUP	100.0	100.0	100	0.0	0
Lead	LCS	LCS DUP	98.0	99.0	98.5	0.7	1
Lead	LCS	LCS DUP	95.0	98.0	96.5	2.1	3
Lead	LCS	LCS DUP	98.0	95.0	96.5	2.1	3
Lead	LCS	LCS DUP	100.0	101.0	100.5	0.7	1
Lead	LCS	LCS DUP	103.0	102.0	102.5	0.7	1
Lead	LCS	LCS DUP	97.0	95.0	96	1.4	2
Lead	LCS	LCS DUP	101.0	99.0	100	1.4	2
Lead	LCS	LCS DUP	104.0	101.0	102.5	2.1	3
Lead	LCS	LCS DUP	102.0	102.0	102	0.0	0
Lead	LCS	LCS DUP	93.0	95.0	94	1.4	2
Lead	LCS	LCS DUP	94.0	94.0	94	0.0	0
Lead	LCS	LCS DUP	104.0	98.0	101	4.2	6
Lead	LCS	LCS DUP	104.0	103.0	103.5	0.7	1
Lead	LCS	LCS DUP	103.0	104.0	103.5	0.7	1
Lead	LCS	LCS DUP	93.0	98.0	95.5	3.5	5
Lead	LCS	LCS DUP	97.0	99.0	98	1.4	2
Lead	LCS	LCS DUP	96.0	94.0	95	1.4	2
Type = Matrix Spike							
Lead	01-SS-07-01 MS	01-SS-07-01 MSD	7.0	(QY)	9.5	3.5	53
Lead	04-DS-01 MS	04-DS-01 MSD	94.0	95.0	94.5	0.7	1
Lead	05-DS-01 MS	05-DS-01 MSD	98.0	92.0	95	4.2	6
Lead	05-MW-04-02 MS	05-MW-04-02 MSD	106.0	94.0	100	8.5	12
Lead	06-DS-01 MS	06-DS-01 MSD	89.0	102.0	95.5	9.2	14
Lead	06-DS-02 MS	06-DS-02 MSD	95.0	245.0 (QY)	170	106.1	88
Lead	06-SS-01-01 MS	06-SS-01-01 MSD	65.0	(Q)	101.5	51.6	72
Lead	07-DS-03 MS	07-DS-03 MSD	113.0	101.0	107	8.5	11
Lead	07-MW-03-02 MS	07-MW-03-02 MSD	104.0	97.0	100.5	4.9	7
Lead	07-MW-04-02 MS	07-MW-04-02 MSD	99.0	99.0	99	0.0	0
Lead	09-SS-03-01 MS	09-SS-03-01 MSD	102.0	90.0	96	8.5	13
Lead	10-DS-01 MS	10-DS-01 MSD	116.0	114.0	115	1.4	2

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

( ) = Footnote Character

A-3-36

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW7471							
Type = Field Duplicate							
Mercury	01-SD-01-01	01-DS-01	0.15	0.15 (Z@)	0.15	0.0	0
Mercury	01-SS-07-01	01-DS-02	ND	0.042	NC	NC	NC
Mercury	01-SD-02-01	01-DS-03	0.13	0.14 (Z@)	0.135	0.0	7
Mercury	04-SD-02-01	04-DS-01	0.13	0.14 (Z@)	0.135	0.0	7
Mercury	05-SB-03-01	05-DS-01	0.071 (B)	ND	NC	NC	NC
Mercury	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Mercury	05-SS-13-01	05-DS-03	0.070 (B)	0.066 (Z@)	0.068	0.0	6
Mercury	05-SD-01-01	05-DS-04	0.060 (B)	0.052	0.056	0.0	14
Mercury	06-MW-03-02	06-DS-01	ND	0.049 (Z@)	NC	NC	NC
Mercury	06-SB-01-01	06-DS-02	0.055 (B)	0.077 (Z@)	0.066	0.0	33
Mercury	07-MW-03-02	07-DS-01	0.15	0.11 (Z@)	0.13	0.0	31
Mercury	07-SS-01-01	07-DS-02	0.073 (B)	0.10 (Z@)	0.0865	0.0	31
Mercury	07-SD-01-01	07-DS-03	0.12	0.12 (Z@)	0.12	0.0	0
Mercury	09-MW-06-02	09-DS-01	0.15	0.13 (Z@)	0.14	0.0	14
Mercury	10-MW-01-01	10-DS-01	ND	0.081 (Z@)	NC	NC	NC
Mercury	10-SS-03-01	10-DS-02	0.094 (B)	0.084 (Z@)	0.089	0.0	11
Mercury	11-SS-01-01	11-DS-01	0.078 (B)	0.072 (Z@)	0.075	0.0	8
Type = Laboratory Control							
Mercury	LCS	LCS DUP	106.0	108.0	107	1.4	2
Mercury	LCS	LCS DUP	101.0	104.0	102.5	2.1	3
Mercury	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
Mercury	LCS	LCS DUP	102.0	100.0	101	1.4	2
Mercury	LCS	LCS DUP	104.0	101.0	102.5	2.1	3
Mercury	LCS	LCS DUP	103.0	104.0	103.5	0.7	1
Mercury	LCS	LCS DUP	104.0	103.0	103.5	0.7	1
Mercury	LCS	LCS DUP	110.0	103.0	106.5	4.9	7
Mercury	LCS	LCS DUP	97.0	101.0	99	2.8	4
Mercury	LCS	LCS DUP	102.0	103.0	102.5	0.7	1
Mercury	LCS	LCS DUP	96.0	100.0	98	2.8	4
Mercury	LCS	LCS DUP	101.0	100.0	100.5	0.7	1
Type = Matrix Spike							

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Mercury	01-SS-07-01 MS	01-SS-07-01 MSD	66.0 (Q)	60.0 (Q)	63	4.2	10
Mercury	04-DS-01 MS	04-DS-01 MSD	84.0	78.0	81	4.2	7
Mercury	05-DS-01 MS	05-DS-01 MSD	98.0	105.0	101.5	4.9	7
Mercury	05-DS-03 MS	05-DS-03 MSD	94.0	92.0	93	1.4	2
Mercury	05-MW-04-02 MS	05-MW-04-02 MSD	84.0	84.0	84	0.0	0
Mercury	06-DS-01 MS	06-DS-01 MSD	98.0	98.0	98	0.0	0
Mercury	06-DS-02 MS	06-DS-02 MSD	87.0	85.0	86	1.4	2
Mercury	07-MW-03-02 MS	07-MW-03-02 MSD	86.0	77.0	81.5	6.4	11
Mercury	07-SD-02-01 MS	07-SD-02-01 MSD	77.0	78.0	77.5	0.7	1
Mercury	10-DS-01 MS	10-DS-01 MSD	90.0	91.0	90.5	0.7	1
Method = SW7740							
Type = Field Duplicate							
Selenium	01-SD-01-01	01-DS-01	0.57	0.60 (@)	0.585	0.0	5
Selenium	01-SS-07-01	01-DS-02	ND	0.42	NC	NC	NC
Selenium	01-SD-02-01	01-DS-03	ND	0.48	NC	NC	NC
Selenium	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Selenium	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Selenium	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Selenium	05-SS-13-01	05-DS-03	ND	0.33	NC	NC	NC
Selenium	05-SD-01-01	05-DS-04	0.50	0.43 (@)	0.465	0.0	15
Selenium	06-MW-03-02	06-DS-01	1.7	ND	NC	NC	NC
Selenium	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Selenium	07-MW-03-02	07-DS-01	0.61	ND	NC	NC	NC
Selenium	07-SS-01-01	07-DS-02	ND	0.47	NC	NC	NC
Selenium	07-SD-01-01	07-DS-03	ND	0.35	NC	NC	NC
Selenium	09-MW-06-02	09-DS-01	ND	0.61	NC	NC	NC
Selenium	10-MW-01-01	10-DS-01	0.99	1.4 (@)	1.195	0.3	34
Selenium	10-SS-03-01	10-DS-02	ND	0.34	NC	NC	NC
Selenium	11-SS-01-01	11-DS-01	0.60	0.62 (@)	0.61	0.0	3
Type = Laboratory Control							
Selenium	LCS	LCS DUP	91.0	104.0	97.5	9.2	13
Selenium	LCS	LCS DUP	97.0	104.0	100.5	4.9	7

Compiled: 11 May 1994

NC = Not Cachable ND = Not Detected ( ) = Footnote Character

A-3-38

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW7740, cont.							
Type = Laboratory Control, cont.							
Selenium	LCS	LCS DUP	97.0	95.0	96	1.4	2
Selenium	LCS	LCS DUP	91.0	94.0	92.5	2.1	3
Selenium	LCS	LCS DUP	85.0	84.0	84.5	0.7	1
Selenium	LCS	LCS DUP	95.0	99.0	97	2.8	4
Selenium	LCS	LCS DUP	96.0	100.0	98	2.8	4
Selenium	LCS	LCS DUP	99.0	97.0	98	1.4	2
Selenium	LCS	LCS DUP	98.0	97.0	97.5	0.7	1
Selenium	LCS	LCS DUP	99.0	98.0	98.5	0.7	1
Selenium	LCS	LCS DUP	87.0	89.0	88	1.4	2
Selenium	LCS	LCS DUP	100.0	100.0	100	0.0	0
Selenium	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Selenium	LCS	LCS DUP	96.0	94.0	95	1.4	2
Selenium	LCS	LCS DUP	85.0	86.0	85.5	0.7	1
Selenium	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
Selenium	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Selenium	LCS	LCS DUP	91.0	90.0	90.5	0.7	1
Selenium	LCS	LCS DUP	101.0	100.0	100.5	0.7	1
Selenium	LCS	LCS DUP	98.0	98.0	98	0.0	0
Type = Matrix Spike							
Selenium	01-SS-07-01 MS	01-SS-07-01 MSD	38.0 (Q)	43.0 (Q)	40.5	3.5	12
Selenium	04-DS-01 MS	04-DS-01 MSD	46.0 (Q)	47.0 (Q)	46.5	0.7	2
Selenium	05-DS-01 MS	05-DS-01 MSD	50.0 (Q)	50.0 (Q)	50	0.0	0
Selenium	05-MW-04-02 MS	05-MW-04-02 MSD	90.0	88.0	89	1.4	2
Selenium	06-DS-01 MS	06-DS-01 MSD	76.0	79.0	77.5	2.1	4
Selenium	06-DS-02 MS	06-DS-02 MSD	54.0 (Q)	57.0 (Q)	55.5	2.1	5
Selenium	06-SS-01-01 MS	06-SS-01-01 MSD	89.0	83.0	86	4.2	7
Selenium	07-DS-03 MS	07-DS-03 MSD	86.0	82.0	84	2.8	5
Selenium	07-MW-03-02 MS	07-MW-03-02 MSD	41.0 (Q)	38.0 (Q)	39.5	2.1	8
Selenium	07-MW-04-02 MS	07-MW-04-02 MSD	51.0 (Q)	54.0 (Q)	52.5	2.1	6
Selenium	09-SS-03-01 MS	09-SS-03-01 MSD	46.0 (Q)	47.0 (Q)	46.5	0.7	2
Selenium	10-DS-01 MS	10-DS-01 MSD	75.0	74.0 (Q)	74.5	0.7	1

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-39

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8015MEMP							
Type = Field Duplicate							
Diesel Range Organics (2)	01-SD-01-01	01-DS-01	280000.0	120000.0	200000	****	80
Diesel Range Organics (2)	01-SS-07-01	01-DS-02	000000.0	000000.0	15500000	****	6
Diesel Range Organics (2)	01-SD-02-01	01-DS-03	340000.0	290000.0	315000	35355.3	16
Diesel Range Organics (2)	04-SD-02-01	04-DS-01	ND	26000.0	NC	NC	NC
Diesel Range Organics (2)	05-SB-03-01	05-DS-01	43000.0	27000.0 (e)	35000	11313.7	46
Diesel Range Organics (2)	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Diesel Range Organics (2)	05-SS-13-01	05-DS-03	23000.0 (B)	30000.0 (e)	26500	4949.7	26
Diesel Range Organics (2)	05-SD-01-01	05-DS-04	ND	22000.0	NC	NC	NC
Diesel Range Organics (2)	06-MW-03-02	06-DS-01	43000.0	33000.0 (e)	38000	7071.1	26
Diesel Range Organics (2)	06-SB-01-01	06-DS-02	900000.0	400000.0	3650000	****	123
Diesel Range Organics (2)	07-MW-03-02	07-DS-01	000000.0	000000.0	13500000	****	7
Diesel Range Organics (2)	07-SS-01-01	07-DS-02	000000.0	000000.0	38000000	****	5
Diesel Range Organics (2)	07-SD-01-01	07-DS-03	000000.0	000000.0	35500000	****	54
Diesel Range Organics (2)	09-MW-06-02	09-DS-01	31000.0	40000.0 (e)	35500	6364.0	25
Diesel Range Organics (2)	10-MW-01-01	10-DS-01	ND	34000.0 (e)	NC	NC	NC
Diesel Range Organics (2)	10-SS-03-01	10-DS-02	21000.0 (B)	22000.0 (e)	21500	707.1	5
Gasoline Range Organics (2)	01-SD-01-01	01-DS-01	ND	20000.0 (B)	NC	NC	NC
Gasoline Range Organics (2)	01-SS-07-01	01-DS-02	130000.0	140000.0 (e)	135000	7071.1	7
Gasoline Range Organics (2)	01-SD-02-01	01-DS-03	ND	14000.0	NC	NC	NC
Gasoline Range Organics (2)	04-SD-02-01	04-DS-01	13000.0 (B)	13000.0	13000	0.0	0
Gasoline Range Organics (2)	05-SB-03-01	05-DS-01	22000.0 (B)	29000.0 (e)	25500	4949.7	27
Gasoline Range Organics (2)	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Gasoline Range Organics (2)	05-SS-13-01	05-DS-03	12000.0 (B)	ND	NC	NC	NC
Gasoline Range Organics (2)	05-SD-01-01	05-DS-04	11000.0 (B)	17000.0 (e)	14000	4242.6	43
Gasoline Range Organics (2)	06-MW-03-02	06-DS-01	48000.0	ND	NC	NC	NC
Gasoline Range Organics (2)	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Gasoline Range Organics (2)	07-MW-03-02	07-DS-01	500000.0	100000.0	6300000	****	6
Gasoline Range Organics (2)	07-SS-01-01	07-DS-02	300000.0	500000.0 (e)	4400000	****	50
Gasoline Range Organics (2)	07-SD-01-01	07-DS-03	ND	300000.0	NC	NC	NC
Gasoline Range Organics (2)	09-MW-06-02	09-DS-01	ND	13000.0	NC	NC	NC
Gasoline Range Organics (2)	10-MW-01-01	10-DS-01	47000.0	53000.0 (e)	50000	4242.6	12
Gasoline Range Organics (2)	10-SS-03-01	10-DS-02	ND	10000.0	NC	NC	NC

Compiled: 11 May 1994

NC = Not Characterizable

ND = Not Detected

( ) = Footnote Character



TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8015MEMP, cont.							
Type = Field Duplicate, cont.							
Type = Laboratory Control							
Gasoline Range Organics (2)	11-SS-01-01	11-DS-01	24000.0 (B)	56000.0 (e)	40000	22627.4	80
Diesel Range Organics (2)	LCS	LCS DUP	88.0	74.0	81	9.9	17
Diesel Range Organics (2)	LCS	LCS DUP	93.0	77.0	85	11.3	19
Diesel Range Organics (2)	LCS	LCS DUP	90.0	86.0	88	2.8	5
Diesel Range Organics (2)	LCS	LCS DUP	94.0	97.0	95.5	2.1	3
Diesel Range Organics (2)	LCS	LCS DUP	81.0	85.0	83	2.8	5
Diesel Range Organics (2)	LCS	LCS DUP	82.0	88.0	85	4.2	7
Diesel Range Organics (2)	LCS	LCS DUP	74.0	77.0	75.5	2.1	4
Diesel Range Organics (2)	LCS	LCS DUP	66.0	65.0	65.5	0.7	2
Diesel Range Organics (2)	LCS	LCS DUP	67.0	66.0	66.5	0.7	2
Diesel Range Organics (2)	LCS	LCS DUP	78.0	62.0	70	11.3	23
Diesel Range Organics (2)	LCS	LCS DUP	66.0	53.0	59.5	9.2	22
Diesel Range Organics (2)	LCS	LCS DUP	69.0	56.0	62.5	9.2	21
Diesel Range Organics (2)	LCS	LCS DUP	80.0	72.0	76	5.7	11
Diesel Range Organics (2)	LCS	LCS DUP	75.0	69.0	72	4.2	8
Diesel Range Organics (2)	LCS	LCS DUP	80.0	78.0	79	1.4	3
Diesel Range Organics (2)	LCS	LCS DUP	81.0	79.0	80	1.4	3
Diesel Range Organics (2)	LCS	LCS DUP	61.0	68.0	64.5	4.9	11
Diesel Range Organics (2)	LCS	LCS DUP	78.0	78.0	78	0.0	0
Diesel Range Organics (2)	LCS	LCS DUP	80.0	75.0	77.5	3.5	6
Diesel Range Organics (2)	LCS	LCS DUP	82.0	81.0	81.5	0.7	1
Diesel Range Organics (2)	LCS	LCS DUP	82.0	83.0	82.5	0.7	1
Diesel Range Organics (2)	LCS	LCS DUP	109.0	104.0	106.5	3.5	5
Diesel Range Organics (2)	LCS	LCS DUP	79.0	76.0	77.5	2.1	4
Type = Matrix Spike							
Diesel Range Organics (2)	01-SS-07-01 MS	01-SS-07-01 MSD	0.00 (QY)	156.0 (QY)	78	110.3	200
Diesel Range Organics (2)	04-DS-01 MS	04-DS-01 MSD	87.0	92.0	89.5	3.5	6
Diesel Range Organics (2)	05-DS-01 MS	05-DS-01 MSD	83.0	90.0	86.5	4.9	8
Diesel Range Organics (2)	05-MW-04-02 MS	05-MW-04-02 MSD	139.0 (Y)	0.00 (QY)	69.5	98.3	200

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-41

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8015MEMP, cont. Type = Matrix Spike, cont.							
Diesel Range Organics (2)	06-DS-01 MS	06-DS-01 MSD	60.0	77.0	68.5	12.0	25
Diesel Range Organics (2)	06-DS-02 MS	06-DS-02 MSD	686.0	455.0 (QV)	570.5	163.3	40
Diesel Range Organics (2)	07-MW-03-02 MS	07-MW-03-02 MSD	0.00 (Q)	0.00 (Q)	0	0.0	NC
Diesel Range Organics (2)	09-MW-04-02 MS	09-MW-04-02 MSD	71.0	47.0 (Q)	59	17.0	41
Diesel Range Organics (2)	09-SS-01-01 MS	09-SS-01-01 MSD	59.0 (Y)	31.0 (QV)	45	19.8	62
Diesel Range Organics (2)	10-DS-01 MS	10-DS-01 MSD	71.0	56.0	63.5	10.6	24
Diesel Range Organics (2)	10-SS-01-01 MS	10-SS-01-01 MSD	0.00 (QV)	279.0 (QV)	139.5	197.3	200
Diesel Range Organics (2)	11-SB-01-02 MS	11-SB-01-02 MSD	100.0	103.0	101.5	2.1	3
Method = SW8015MP Type = Matrix Spike							
Benzene (2)	01-MW-02-02 MS	01-MW-02-02 MSD	97.0	94.0	95.5	2.1	3
Benzene (2)	01-SD-01-01 MS	01-SD-01-01 MSD	109.0	114.0	111.5	3.5	4
Benzene (2)	01-SS-07-01 MS	01-SS-07-01 MSD	94.0	95.0	94.5	0.7	1
Benzene (2)	04-DS-01 MS	04-DS-01 MSD	98.0	100.0	99	1.4	2
Benzene (2)	04-MW-01-02 MS	04-MW-01-02 MSD	109.0	111.0	110	1.4	2
Benzene (2)	05-DS-01 MS	05-DS-01 MSD	138.0	139.0	138.5	0.7	1
Benzene (2)	05-SS-05-01 MS	05-SS-05-01 MSD	88.0	92.0	90	2.8	4
Benzene (2)	06-DS-01 MS	06-DS-01 MSD	92.0	79.0	85.5	9.2	15
Benzene (2)	06-DS-02 MS	06-DS-02 MSD	103.0	94.0	98.5	6.4	9
Benzene (2)	06-SS-01-01 MS	06-SS-01-01 MSD	84.0	93.0	88.5	6.4	10
Benzene (2)	07-MW-03-02 MS	07-MW-03-02 MSD	87.0	83.0	85	2.8	5
Benzene (2)	07-SD-01-01 MS	07-SD-01-01 MSD	105.0	107.0	106	1.4	2
Benzene (2)	09-SS-01-01 MS	09-SS-01-01 MSD	91.0	91.0	91	0.0	0
Benzene (2)	10-DS-01 MS	10-DS-01 MSD	85.0	85.0	85	0.0	0
Benzene (2)	12-MW-02-02 MS	12-MW-02-02 MSD	107.0	106.0	106.5	0.7	1
Ethylbenzene (2)	01-MW-02-02 MS	01-MW-02-02 MSD	88.0	87.0	87.5	0.7	1
Ethylbenzene (2)	01-SD-01-01 MS	01-SD-01-01 MSD	112.0	115.0	113.5	2.1	3
Ethylbenzene (2)	01-SS-07-01 MS	01-SS-07-01 MSD	88.0	89.0	88.5	0.7	1
Ethylbenzene (2)	04-DS-01 MS	04-DS-01 MSD	108.0	108.0	108	0.0	0
Ethylbenzene (2)	04-MW-01-02 MS	04-MW-01-02 MSD	107.0	104.0	105.5	2.1	3

Compiled: 11 May 1994

NC = Not Characterable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Ethylbenzene (2)	05-DS-01 MS	05-DS-01 MSD	92.0	92.0	92	0.0	0
Ethylbenzene (2)	05-SS-05-01 MS	05-SS-05-01 MSD	91.0	95.0	93	2.8	4
Ethylbenzene (2)	06-DS-01 MS	06-DS-01 MSD	93.0	81.0	87	8.5	14
Ethylbenzene (2)	06-DS-02 MS	06-DS-02 MSD	94.0	89.0	91.5	3.5	5
Ethylbenzene (2)	06-SS-01-01 MS	06-SS-01-01 MSD	89.0	89.0	89	0.0	0
Ethylbenzene (2)	07-MW-03-02 MS	07-MW-03-02 MSD	88.0	84.0	86	2.8	5
Ethylbenzene (2)	07-SD-01-01 MS	07-SD-01-01 MSD	108.0	110.0	109	1.4	2
Ethylbenzene (2)	09-SS-01-01 MS	09-SS-01-01 MSD	103.0	103.0	103	0.0	0
Ethylbenzene (2)	10-DS-01 MS	10-DS-01 MSD	90.0	89.0	89.5	0.7	1
Ethylbenzene (2)	12-MW-02-02 MS	12-MW-02-02 MSD	115.0	114.0	114.5	0.7	1
Toluene (2)	01-MW-02-02 MS	01-MW-02-02 MSD	89.0	84.0	86.5	3.5	6
Toluene (2)	01-SD-01-01 MS	01-SD-01-01 MSD	109.0	113.0	111	2.8	4
Toluene (2)	01-SS-07-01 MS	01-SS-07-01 MSD	85.0	88.0	86.5	2.1	3
Toluene (2)	04-DS-01 MS	04-DS-01 MSD	94.0	95.0	94.5	0.7	1
Toluene (2)	04-MW-01-02 MS	04-MW-01-02 MSD	102.0	102.0	102	0.0	0
Toluene (2)	05-DS-01 MS	05-DS-01 MSD	92.0	92.0	92	0.0	0
Toluene (2)	05-SS-05-01 MS	05-SS-05-01 MSD	92.0	96.0	94	2.8	4
Toluene (2)	06-DS-01 MS	06-DS-01 MSD	94.0	81.0	87.5	9.2	15
Toluene (2)	06-DS-02 MS	06-DS-02 MSD	97.0	90.0	93.5	4.9	7
Toluene (2)	06-SS-01-01 MS	06-SS-01-01 MSD	88.0	90.0	89	1.4	2
Toluene (2)	07-MW-03-02 MS	07-MW-03-02 MSD	91.0	86.0	88.5	3.5	6
Toluene (2)	07-SD-01-01 MS	07-SD-01-01 MSD	105.0	107.0	106	1.4	2
Toluene (2)	09-SS-01-01 MS	09-SS-01-01 MSD	93.0	93.0	93	0.0	0
Toluene (2)	10-DS-01 MS	10-DS-01 MSD	89.0	90.0	89.5	0.7	1
Toluene (2)	12-MW-02-02 MS	12-MW-02-02 MSD	110.0	109.0	109.5	0.7	1
Xylenes (total) (2)	01-MW-02-02 MS	01-MW-02-02 MSD	91.0	91.0	91	0.0	0
Xylenes (total) (2)	01-SD-01-01 MS	01-SD-01-01 MSD	108.0	111.0	109.5	2.1	3
Xylenes (total) (2)	01-SS-07-01 MS	01-SS-07-01 MSD	88.0	88.0	88	0.0	0
Xylenes (total) (2)	04-DS-01 MS	04-DS-01 MSD	105.0	105.0	105	0.0	0
Xylenes (total) (2)	04-MW-01-02 MS	04-MW-01-02 MSD	107.0	103.0	105	2.8	4
Xylenes (total) (2)	05-DS-01 MS	05-DS-01 MSD	92.0	92.0	92	0.0	0
Xylenes (total) (2)	05-SS-05-01 MS	05-SS-05-01 MSD	93.0	98.0	95.5	3.5	5

Method = SW8015MP, cont.

Type = Matrix Spike, cont.

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-43

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8015MP, cont.							
Type = Matrix Spike, cont.							
Xylenes (total) (2)	06-DS-01 MS	06-DS-01 MSD	93.0	81.0	87	8.5	14
Xylenes (total) (2)	06-DS-02 MS	06-DS-02 MSD	97.0	91.0	94	4.2	6
Xylenes (total) (2)	06-SS-01-01 MS	06-SS-01-01 MSD	92.0	92.0	92	0.0	0
Xylenes (total) (2)	07-MW-03-02 MS	07-MW-03-02 MSD	95.0	89.0	92	4.2	7
Xylenes (total) (2)	07-SD-01-01 MS	07-SD-01-01 MSD	105.0	107.0	106	1.4	2
Xylenes (total) (2)	09-SS-01-01 MS	09-SS-01-01 MSD	98.0	97.0	97.5	0.7	1
Xylenes (total) (2)	10-DS-01 MS	10-DS-01 MSD	90.0	90.0	90	0.0	0
Xylenes (total) (2)	12-MW-02-02 MS	12-MW-02-02 MSD	113.0	111.0	112	1.4	2
Method = SW8080							
Type = Field Duplicate							
4,4'-DDD	01-SD-01-01	01-DS-01	180.0	290.0 (CB)	235	77.8	47
4,4'-DDD	01-SS-07-01	01-DS-02	5.2	5.1 (C)	5.15	0.1	2
4,4'-DDD	01-SD-02-01	01-DS-03	30.0	32.0 (CB)	31	1.4	6
4,4'-DDD	04-SD-02-01	04-DS-01	46.0	49.0 (C)	47.5	2.1	6
4,4'-DDD	06-MW-03-02	06-DS-01	7.3	2.9 (CB)	5.1	3.1	86
4,4'-DDD	06-SB-01-01	06-DS-02	240.0	640.0 (C)	440	282.8	91
4,4'-DDD	07-MW-03-02	07-DS-01	71.0	9.5 (C)	40.25	43.5	153
4,4'-DDD	07-SS-01-01	07-DS-02	390.0	430.0 (CD)	410	28.3	10
4,4'-DDD	07-SD-01-01	07-DS-03	1300.0	810.0 (CB)	1055	346.5	46
4,4'-DDD	09-MW-06-02	09-DS-01	21.0	7.5 (C)	14.25	9.5	95
4,4'-DDD	10-MW-01-01	10-DS-01	10.0	19.0 (CB)	14.5	6.4	62
4,4'-DDD	10-SS-03-01	10-DS-02	20.0	19.0 (G)	19.5	0.7	5
4,4'-DDE	01-SD-01-01	01-DS-01	110.0	170.0 (CB)	140	42.4	43
4,4'-DDE	01-SS-07-01	01-DS-02	ND	0.34 (X)	NC	NC	NC
4,4'-DDE	01-SD-02-01	01-DS-03	32.0	35.0 (CB)	33.5	2.1	9
4,4'-DDE	04-SD-02-01	04-DS-01	37.0	44.0 (C)	40.5	4.9	17
4,4'-DDE	06-MW-03-02	06-DS-01	2.0	1.5 (CB)	1.75	0.4	29
4,4'-DDE	06-SB-01-01	06-DS-02	32.0	41.0 (CB@)	36.5	6.4	25
4,4'-DDE	07-MW-03-02	07-DS-01	4.3	1.2 (BC@)	2.75	2.2	113
4,4'-DDE	07-SS-01-01	07-DS-02	22.0	23.0 (C)	22.5	0.7	4

Compiled: 11 May 1994

NC = Not Characterizable

ND = Not Detected

( ) = Footnote Character

A-3-44

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
4,4'-DDE	07-SD-01-01	07-DS-03	120.0	74.0 (CB)	97	32.5	47
4,4'-DDE	09-MW-06-02	09-DS-01	5.9	1.6 (CB)	3.75	3.0	115
4,4'-DDE	10-MW-01-01	10-DS-01	4.4	4.1 (C)	4.25	0.2	7
4,4'-DDE	10-SS-03-01	10-DS-02	13.0	12.0 (C)	12.5	0.7	8
4,4'-DDT	01-SD-01-01	01-DS-01	330.0	480.0 (C)	405	106.1	37
4,4'-DDT	01-SS-07-01	01-DS-02	0.52 (J)	0.39 (J)	0.455	0.1	29
4,4'-DDT	01-SD-02-01	01-DS-03	26.0	27.0 (C)	26.5	0.7	4
4,4'-DDT	04-SD-02-01	04-DS-01	43.0	45.0 (C)	44	1.4	5
4,4'-DDT	06-MW-03-02	06-DS-01	26.0	18.0 (C)	22	5.7	36
4,4'-DDT	06-SB-01-01	06-DS-02	38.0	170.0 (C)	104	93.3	127
4,4'-DDT	07-MW-03-02	07-DS-01	7.2	2.8 (CB)	5	3.1	88
4,4'-DDT	07-SS-01-01	07-DS-02	1.5	0.91 (CB)	1.205	0.4	49
4,4'-DDT	07-SD-01-01	07-DS-03 CONF	1.4 (PJ)	0.89 (J)	1.145	0.4	45
4,4'-DDT	09-MW-06-02	09-DS-01	37.0	7.1 (C)	22.05	21.1	136
4,4'-DDT	10-MW-01-01	10-DS-01	29.0	49.0 (C)	39	14.1	51
4,4'-DDT	10-SS-03-01	10-DS-02	240.0	230.0 (C)	235	7.1	4
Aldrin	01-SD-01-01	01-DS-01 CONF	ND	ND (X)	NC	NC	NC
Aldrin	01-SS-07-01	01-DS-02	ND	0.34 (X)	NC	NC	NC
Aldrin	01-SD-02-01	01-DS-03	0.80 (B)	0.75 (CB)	0.775	0.0	6
Aldrin	04-SD-02-01	04-DS-01	ND	0.30 (J)	NC	NC	NC
Aldrin	06-MW-03-02	06-DS-01	0.46 (KB)	0.79 (CB)	0.625	0.2	53
Aldrin	06-SB-01-01	06-DS-02 CONF	3.6 (PJ)	6.7 (J)	5.15	2.2	60
Aldrin	07-MW-03-02	07-DS-01	1.6	1.1 (CB)	1.35	0.4	37
Aldrin	07-SS-01-01	07-DS-02 CONF	ND	ND (X)	NC	NC	NC
Aldrin	07-SD-01-01	07-DS-03	17.0 (K)	ND	NC	NC	NC
Aldrin	09-MW-06-02	09-DS-01	0.64 (B)	1.3 (CB)	0.97	0.5	68
Aldrin	10-MW-01-01	10-DS-01	0.50 (B)	0.49 (CB)	0.495	0.0	2
Aldrin	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Chlordane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Chlordane	01-SS-07-01	01-DS-02	ND	1.7	NC	NC	NC
Chlordane	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Chlordane	04-SD-02-01	04-DS-01	ND	2.2	NC	NC	NC

Method = SW8080, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-45

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Chlordane	06-MW-03-02	06-DS-01	ND	2.1	NC	NC	NC
Chlordane	06-SB-01-01	06-DS-02	ND	63.0	NC	NC	NC
Chlordane	07-MW-03-02	07-DS-01	ND	2.6	NC	NC	NC
Chlordane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Chlordane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Chlordane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Chlordane	10-MW-01-01	10-DS-01	ND	2.1	NC	NC	NC
Chlordane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Chlordane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Chlordane	01-SS-07-01	01-DS-02	0.96	0.95 (C0)	0.955	0.0	1
Chlordane	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Chlordane	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Chlordane	06-MW-03-02	06-DS-01 CONF	0.42 (K)	0.38 (J)	0.4	0.0	10
Chlordane	06-SB-01-01	06-DS-02	ND	10.0 (J)	NC	NC	NC
Chlordane	07-MW-03-02	07-DS-01	ND	0.51	NC	NC	NC
Chlordane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Chlordane	07-SD-01-01	07-DS-03	20.0 (P)	22.0 (GB0)	21	1.4	10
Chlordane	09-MW-06-02	09-DS-01	ND	ND (X)	NC	NC	NC
Chlordane	10-MW-01-01	10-DS-01 CONF	0.54 (K)	0.34 (J)	0.44	0.1	45
Chlordane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Chlordane	01-SD-01-01	01-DS-01 CONF	3.8 (KJ)	4.5 (J)	4.15	0.5	17
Chlordane	01-SS-07-01	01-DS-02 CONF	0.29 (PJ)	0.34 (X)	0.315	0.0	16
Chlordane	01-SD-02-01	01-DS-03	ND	ND (X)	NC	NC	NC
Chlordane	04-SD-02-01	04-DS-01	0.47 (B)	0.30 (J)	0.385	0.1	44
Chlordane	06-MW-03-02	06-DS-01 CONF	0.18 (CJ)	0.11 (J)	0.145	0.0	48
Chlordane	06-SB-01-01	06-DS-02	10.0 (KJ)	13.0	11.5	2.1	26
Chlordane	07-MW-03-02	07-DS-01	1.3 (KB)	0.51 (X)	0.905	0.6	87
Chlordane	07-SS-01-01	07-DS-02 CONF	ND	ND (X)	NC	NC	NC
Chlordane	07-SD-01-01	07-DS-03 CONF	8.5 (KJ)	7.1 (J)	7.8	1.0	18
Chlordane	09-MW-06-02	09-DS-01	ND	0.42 (J)	NC	NC	NC
Chlordane	10-MW-01-01	10-DS-01	0.092 (PJ)	0.16 (J)	0.126	0.0	54
Chlordane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Endosulfan I	01-SD-01-01	01-DS-01 CONF	3.8 (KJ)	4.5 (J)	4.15	0.5	17
Endosulfan I	01-SS-07-01	01-DS-02 CONF	0.29 (PJ)	0.34 (X)	0.315	0.0	16
Endosulfan I	01-SD-02-01	01-DS-03	ND	ND (X)	NC	NC	NC
Endosulfan I	04-SD-02-01	04-DS-01	0.47 (B)	0.30 (J)	0.385	0.1	44
Endosulfan I	06-MW-03-02	06-DS-01 CONF	0.18 (CJ)	0.11 (J)	0.145	0.0	48
Endosulfan I	06-SB-01-01	06-DS-02	10.0 (KJ)	13.0	11.5	2.1	26
Endosulfan I	07-MW-03-02	07-DS-01	1.3 (KB)	0.51 (X)	0.905	0.6	87
Endosulfan I	07-SS-01-01	07-DS-02 CONF	ND	ND (X)	NC	NC	NC
Endosulfan I	07-SD-01-01	07-DS-03 CONF	8.5 (KJ)	7.1 (J)	7.8	1.0	18
Endosulfan I	09-MW-06-02	09-DS-01	ND	0.42 (J)	NC	NC	NC
Endosulfan I	10-MW-01-01	10-DS-01	0.092 (PJ)	0.16 (J)	0.126	0.0	54
Endosulfan I	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC

Method = SW8080, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Detectable

ND = Not Detected

( ) = Footnote Character

A-3-46

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Endosulfan II	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Endosulfan II	01-SS-07-01	01-DS-02 CONF	0.12 (PJ)	1.0 (X)	0.56	0.6	157
Endosulfan II	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Endosulfan II	04-SD-02-01	04-DS-01 CONF	ND	1.3 (X)	NC	NC	NC
Endosulfan II	06-MW-03-02	06-DS-01	ND	1.2	NC	NC	NC
Endosulfan II	06-SB-01-01	06-DS-02	19.0 (J)	38.0	28.5	13.4	67
Endosulfan II	07-MW-03-02	07-DS-01	1.6 (K)	1.2 (J)	1.4	0.3	29
Endosulfan II	07-SS-01-01	07-DS-02	0.86 (KJ)	0.80 (J)	0.83	0.0	7
Endosulfan II	07-SD-01-01	07-DS-03	5.1 (KJ)	ND	NC	NC	NC
Endosulfan II	09-MW-06-02	09-DS-01	0.78 (KJ)	ND	NC	NC	NC
Endosulfan II	10-MW-01-01	10-DS-01	ND	1.3	NC	NC	NC
Endosulfan II	10-SS-03-01	10-DS-02	2.5 (KJ)	2.1 (J)	2.3	0.3	17
Endosulfan Sulfate	01-SD-01-01	01-DS-01	7.0 (KJ)	7.2 (J)	7.1	0.1	3
Endosulfan Sulfate	01-SS-07-01	01-DS-02	ND	1.7 (X)	NC	NC	NC
Endosulfan Sulfate	01-SD-02-01	01-DS-03 CONF	ND	ND	NC	NC	NC
Endosulfan Sulfate	04-SD-02-01	04-DS-01	0.56 (PJ)	0.062 (J)	0.311	0.4	160
Endosulfan Sulfate	06-MW-03-02	06-DS-01	1.8 (PJ)	1.6 (J)	1.7	0.1	12
Endosulfan Sulfate	06-SB-01-01	06-DS-02 CONF	12.0 (KJ)	11.0 (J)	11.5	0.7	9
Endosulfan Sulfate	07-MW-03-02	07-DS-01 CONF	2.6 (KB)	1.4 (J)	2	0.8	60
Endosulfan Sulfate	07-SS-01-01	07-DS-02	0.67 (PJ)	0.80 (J)	0.735	0.1	18
Endosulfan Sulfate	07-SD-01-01	07-DS-03	23.0 (KJ)	12.0 (J)	17.5	7.8	63
Endosulfan Sulfate	09-MW-06-02	09-DS-01	0.15 (PJ)	0.051 (J)	0.1005	0.1	99
Endosulfan Sulfate	10-MW-01-01	10-DS-01	1.6 (J)	9.3 (GBG)	5.45	5.4	141
Endosulfan Sulfate	10-SS-03-01	10-DS-02 CONF	2.4 (KJ)	2.6 (J)	2.5	0.1	8
Endrin	01-SD-01-01	01-DS-01 CONF	ND	ND	NC	NC	NC
Endrin	01-SS-07-01	01-DS-02 CONF	ND	0.34 (X)	NC	NC	NC
Endrin	01-SD-02-01	01-DS-03 CONF	ND	ND	NC	NC	NC
Endrin	04-SD-02-01	04-DS-01	0.085 (KJ)	0.18 (J)	0.1325	0.1	72
Endrin	06-MW-03-02	06-DS-01	3.1 (P)	0.21 (J)	1.655	2.0	175
Endrin	06-SB-01-01	06-DS-02	ND	13.0	NC	NC	NC
Endrin	07-MW-03-02	07-DS-01	ND	0.51	NC	NC	NC
Endrin	07-SS-01-01	07-DS-02 CONF	ND	ND	NC	NC	NC

Method = SW8080, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-47

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Endrin	07-SD-01-01	07-DS-03	29.0	28.0 (C8@)	28.5	0.7	4
Endrin	09-MW-06-02	09-DS-01	ND	ND (X)	NC	NC	NC
Endrin	10-MW-01-01	10-DS-01	2.2 (B)	2.9 (GB)	2.55	0.5	27
Endrin	10-SS-03-01	10-DS-02 CONF	ND	ND (X)	NC	NC	NC
Endrin Aldehyde	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Endrin Aldehyde	01-SS-07-01	01-DS-02 CONF	ND	0.68 (X)	NC	NC	NC
Endrin Aldehyde	01-SD-02-01	01-DS-03	0.044 (KJ)	ND	NC	NC	NC
Endrin Aldehyde	04-SD-02-01	04-DS-01	ND	0.88	NC	NC	NC
Endrin Aldehyde	06-MW-03-02	06-DS-01	ND	0.83	NC	NC	NC
Endrin Aldehyde	06-SB-01-01	06-DS-02	12.0 (KJ)	17.0 (J)	14.5	3.5	34
Endrin Aldehyde	07-MW-03-02	07-DS-01	0.69 (KJ)	0.37 (J)	0.53	0.2	60
Endrin Aldehyde	07-SS-01-01	07-DS-02	0.64 (J)	0.76 (J)	0.7	0.1	17
Endrin Aldehyde	07-SD-01-01	07-DS-03 CONF	ND	5.3 (J)	NC	NC	NC
Endrin Aldehyde	09-MW-06-02	09-DS-01	1.1	ND (X)	NC	NC	NC
Endrin Aldehyde	10-MW-01-01	10-DS-01	ND	0.84	NC	NC	NC
Endrin Aldehyde	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Heptachlor	01-SD-01-01	01-DS-01	2.1 (KJ)	2.3 (J)	2.2	0.1	9
Heptachlor	01-SS-07-01	01-DS-02	1.7	1.5 (C@)	1.6	0.1	13
Heptachlor	01-SD-02-01	01-DS-03 CONF	ND	ND (X)	NC	NC	NC
Heptachlor	04-SD-02-01	04-DS-01	0.40 (PJ)	0.35 (J)	0.375	0.0	13
Heptachlor	06-MW-03-02	06-DS-01 CONF	0.23 (KJ)	0.16 (J)	0.195	0.0	36
Heptachlor	06-SB-01-01	06-DS-02 CONF	ND	13.0 (X)	NC	NC	NC
Heptachlor	07-MW-03-02	07-DS-01	0.17 (PJ)	0.19 (J)	0.18	0.0	11
Heptachlor	07-SS-01-01	07-DS-02	1.0 (B)	1.2 (C@)	1.1	0.1	18
Heptachlor	07-SD-01-01	07-DS-03	5.5 (J)	5.1 (J)	5.3	0.3	8
Heptachlor	09-MW-06-02	09-DS-01	0.75 (BP)	1.0 (GB@)	0.875	0.2	29
Heptachlor	10-MW-01-01	10-DS-01 CONF	0.12 (KJ)	0.15 (J)	0.135	0.0	22
Heptachlor	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Heptachlor epoxide	01-SD-01-01	01-DS-01	2.0 (PJ)	2.2 (J)	2.1	0.1	10
Heptachlor epoxide	01-SS-07-01	01-DS-02 CONF	0.97 (BP)	0.94 (GB@)	0.955	0.0	3
Heptachlor epoxide	01-SD-02-01	01-DS-03	0.59 (BP)	0.59 (G@)	0.59	0.0	0
Heptachlor epoxide	04-SD-02-01	04-DS-01 CONF	0.83 (BC)	0.44 (X)	0.635	0.3	61

Method = SW8080, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not C

ND = Not Detected

( ) = Footnote Character

A-3-48



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8080, cont.							
Type = Field Duplicate, cont.							
Heptachlor epoxide	06-MW-03-02	06-DS-01	ND	0.42	NC	NC	NC
Heptachlor epoxide	06-SB-01-01	06-DS-02 CONF	12.0 (PJ)	15.0 (GB)	13.5	2.1	22
Heptachlor epoxide	07-MW-03-02	07-DS-01 CONF	0.42 (PJ)	0.61 (GB)	0.515	0.1	37
Heptachlor epoxide	07-SS-01-01	07-DS-02	0.19 (PJ)	0.25 (J)	0.22	0.0	27
Heptachlor epoxide	07-SD-01-01	07-DS-03	5.4 (PJ)	5.8 (J)	5.6	0.3	7
Heptachlor epoxide	09-MW-06-02	09-DS-01 CONF	ND	0.77 (GB)	NC	NC	NC
Heptachlor epoxide	10-MW-01-01	10-DS-01	ND	0.42	NC	NC	NC
Heptachlor epoxide	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Heptachlor epoxide	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Methoxychlor	01-SS-07-01	01-DS-02	0.89 (KJ)	0.96 (J)	0.925	0.0	8
Methoxychlor	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Methoxychlor	04-SD-02-01	04-DS-01 CONF	1.5 (KJ)	1.2 (J)	1.35	0.2	22
Methoxychlor	06-MW-03-02	06-DS-01	ND	2.1	NC	NC	NC
Methoxychlor	06-SB-01-01	06-DS-02	ND	63.0	NC	NC	NC
Methoxychlor	07-MW-03-02	07-DS-01	0.84 (PJ)	2.2 (J)	1.52	1.0	89
Methoxychlor	07-SS-01-01	07-DS-02	0.46 (KJ)	ND	NC	NC	NC
Methoxychlor	07-SD-01-01	07-DS-03	16.0 (KJ)	ND	NC	NC	NC
Methoxychlor	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Methoxychlor	10-MW-01-01	10-DS-01	ND	2.1	NC	NC	NC
Methoxychlor	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Methoxychlor	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
PCB-1016	01-SS-07-01	01-DS-02	ND	3.4	NC	NC	NC
PCB-1016	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
PCB-1016	04-SD-02-01	04-DS-01	ND	4.4	NC	NC	NC
PCB-1016	06-MW-03-02	06-DS-01	ND	4.2	NC	NC	NC
PCB-1016	06-SB-01-01	06-DS-02	ND	130.0	NC	NC	NC
PCB-1016	07-MW-03-02	07-DS-01	ND	5.1	NC	NC	NC
PCB-1016	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
PCB-1016	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
PCB-1016	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
PCB-1016	10-MW-01-01	10-DS-01	ND	4.2	NC	NC	NC
PCB-1016	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
PCB-1221	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
PCB-1221	01-SS-07-01	01-DS-02	ND	6.8	NC	NC	NC
PCB-1221	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
PCB-1221	04-SD-02-01	04-DS-01	ND	8.8	NC	NC	NC
PCB-1221	06-MW-03-02	06-DS-01	ND	8.3	NC	NC	NC
PCB-1221	06-SB-01-01	06-DS-02	ND	250.0	NC	NC	NC
PCB-1221	07-MW-03-02	07-DS-01	ND	10.0	NC	NC	NC
PCB-1221	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
PCB-1221	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
PCB-1221	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
PCB-1221	10-MW-01-01	10-DS-01	ND	8.4	NC	NC	NC
PCB-1221	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
PCB-1232	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
PCB-1232	01-SS-07-01	01-DS-02	ND	6.8	NC	NC	NC
PCB-1232	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
PCB-1232	04-SD-02-01	04-DS-01	ND	8.8	NC	NC	NC
PCB-1232	06-MW-03-02	06-DS-01	ND	8.3	NC	NC	NC
PCB-1232	06-SB-01-01	06-DS-02	ND	250.0	NC	NC	NC
PCB-1232	07-MW-03-02	07-DS-01	ND	10.0	NC	NC	NC
PCB-1232	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
PCB-1232	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
PCB-1232	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
PCB-1232	10-MW-01-01	10-DS-01	ND	8.4	NC	NC	NC
PCB-1232	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
PCB-1242	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
PCB-1242	01-SS-07-01	01-DS-02	ND	3.4	NC	NC	NC
PCB-1242	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
PCB-1242	04-SD-02-01	04-DS-01	ND	4.4	NC	NC	NC
PCB-1242	06-MW-03-02	06-DS-01	ND	4.2	NC	NC	NC
PCB-1242	06-SB-01-01	06-DS-02	ND	130.0	NC	NC	NC
PCB-1242	07-MW-03-02	07-DS-01	ND	5.1	NC	NC	NC
PCB-1242	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC

Method = SW8080, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Detectable

ND = Not Detected

() = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8080, cont.							
Type = Field Duplicate, cont.							
PCB-1242	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
PCB-1242	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
PCB-1242	10-MW-01-01	10-DS-01	ND	4.2	NC	NC	NC
PCB-1242	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
PCB-1248	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
PCB-1248	01-SS-07-01	01-DS-02	ND	3.4	NC	NC	NC
PCB-1248	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
PCB-1248	04-SD-02-01	04-DS-01	ND	4.4	NC	NC	NC
PCB-1248	06-MW-03-02	06-DS-01	ND	4.2	NC	NC	NC
PCB-1248	06-SB-01-01	06-DS-02	ND	130.0	NC	NC	NC
PCB-1248	07-MW-03-02	07-DS-01	ND	5.1	NC	NC	NC
PCB-1248	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
PCB-1248	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
PCB-1248	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
PCB-1248	10-MW-01-01	10-DS-01	ND	4.2	NC	NC	NC
PCB-1248	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
PCB-1254	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
PCB-1254	01-SS-07-01	01-DS-02	ND	6.8	NC	NC	NC
PCB-1254	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
PCB-1254	04-SD-02-01	04-DS-01	ND	8.8	NC	NC	NC
PCB-1254	06-MW-03-02	06-DS-01	ND	8.3	NC	NC	NC
PCB-1254	06-SB-01-01	06-DS-02	ND	250.0	NC	NC	NC
PCB-1254	07-MW-03-02	07-DS-01	ND	10.0	NC	NC	NC
PCB-1254	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
PCB-1254	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
PCB-1254	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
PCB-1254	10-MW-01-01	10-DS-01	ND	8.4	NC	NC	NC
PCB-1254	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
PCB-1260	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
PCB-1260	01-SS-07-01	01-DS-02	ND	6.8	NC	NC	NC
PCB-1260	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
PCB-1260	04-SD-02-01	04-DS-01	ND	8.8	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-51

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
PCB-1260	06-MW-03-02	06-DS-01	ND	8.3	NC	NC	NC
PCB-1260	06-SB-01-01	06-DS-02	ND	250.0	NC	NC	NC
PCB-1260	07-MW-03-02	07-DS-01	ND	10.0	NC	NC	NC
PCB-1260	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
PCB-1260	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
PCB-1260	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
PCB-1260	10-MW-01-01	10-DS-01	ND	8.4	NC	NC	NC
PCB-1260	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Toxaphene	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Toxaphene	01-SS-07-01	01-DS-02	ND	17.0	NC	NC	NC
Toxaphene	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Toxaphene	04-SD-02-01	04-DS-01	ND	22.0	NC	NC	NC
Toxaphene	06-MW-03-02	06-DS-01	ND	21.0	NC	NC	NC
Toxaphene	06-SB-01-01	06-DS-02	ND	630.0	NC	NC	NC
Toxaphene	07-MW-03-02	07-DS-01	ND	26.0	NC	NC	NC
Toxaphene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Toxaphene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Toxaphene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Toxaphene	10-MW-01-01	10-DS-01	ND	21.0	NC	NC	NC
Toxaphene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
alpha-BHC	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
alpha-BHC	01-SS-07-01	01-DS-02	6.2 (P)	6.1 (G)	6.15	0.1	2
alpha-BHC	01-SD-02-01	01-DS-03	0.72 (B)	0.77 (C@)	0.745	0.0	7
alpha-BHC	04-SD-02-01	04-DS-01	ND	0.44 (X)	NC	NC	NC
alpha-BHC	06-MW-03-02	06-DS-01	ND	0.42 (X)	NC	NC	NC
alpha-BHC	06-SB-01-01	06-DS-02 CONF	11.0 (KJ)	13.0 (X)	12	1.4	17
alpha-BHC	07-MW-03-02	07-DS-01	1.9	1.5 (C@)	1.7	0.3	24
alpha-BHC	07-SS-01-01	07-DS-02	3.9 (K)	3.1 (CB)	3.5	0.6	23
alpha-BHC	07-SD-01-01	07-DS-03	16.0	16.0 (C@)	16	0.0	0
alpha-BHC	09-MW-06-02	09-DS-01	ND	ND (X)	NC	NC	NC
alpha-BHC	10-MW-01-01	10-DS-01 CONF	0.53 (KB)	0.59 (G@)	0.56	0.0	11
alpha-BHC	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC

Method = SW8080, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Detectable

ND = Not Detected

( ) = Footnote Character

A-3-52

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8080, cont.							
Type = Field Duplicate, cont.							
beta-BHC	01-SD-01-01	01-DS-01	ND	ND (X)	NC	NC	NC
beta-BHC	01-SS-07-01	01-DS-02 CONF	0.45 (BP)	2.5 (G)	1.475	1.4	139
beta-BHC	01-SD-02-01	01-DS-03	ND	ND (X)	NC	NC	NC
beta-BHC	04-SD-02-01	04-DS-01	0.94 (B)	0.44 (X)	0.69	0.4	72
beta-BHC	06-MW-03-02	06-DS-01	1.9 (K)	1.7 (G@)	1.8	0.1	11
beta-BHC	06-SB-01-01	06-DS-02	160.0 (P)	370.0 (G)	265	148.5	79
beta-BHC	07-MW-03-02	07-DS-01	9.3 (P)	0.51	4.905	6.2	179
beta-BHC	07-SS-01-01	07-DS-02 CONF	ND	ND (X)	NC	NC	NC
beta-BHC	07-SD-01-01	07-DS-03	6.7 (PJ)	ND (X)	NC	NC	NC
beta-BHC	09-MW-06-02	09-DS-01 CONF	0.16 (PJ)	0.41 (J)	0.285	0.2	88
beta-BHC	10-MW-01-01	10-DS-01 CONF	ND	0.42 (X)	NC	NC	NC
beta-BHC	10-SS-03-01	10-DS-02	4.0 (K)	4.0 (CB@)	4	0.0	0
delta-BHC	01-SD-01-01	01-DS-01	ND	ND (X)	NC	NC	NC
delta-BHC	01-SS-07-01	01-DS-02	6.6 (K)	8.6 (CB)	7.6	1.4	26
delta-BHC	01-SD-02-01	01-DS-03	1.0 (B)	1.1 (C@)	1.05	0.1	10
delta-BHC	04-SD-02-01	04-DS-01	0.40 (KJ)	0.42 (J)	0.41	0.0	5
delta-BHC	06-MW-03-02	06-DS-01	ND	0.42 (X)	NC	NC	NC
delta-BHC	06-SB-01-01	06-DS-02 CONF	ND	13.0 (X)	NC	NC	NC
delta-BHC	07-MW-03-02	07-DS-01 CONF	1.6 (BP)	1.1 (G@)	1.35	0.4	37
delta-BHC	07-SS-01-01	07-DS-02	1.8	1.6 (C@)	1.7	0.1	12
delta-BHC	07-SD-01-01	07-DS-03	30.0	27.0 (G@)	28.5	2.1	11
delta-BHC	09-MW-06-02	09-DS-01	0.36 (KJ)	0.38 (J)	0.37	0.0	5
delta-BHC	10-MW-01-01	10-DS-01	ND	0.42	NC	NC	NC
delta-BHC	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
gamma-BHC	01-SD-01-01	01-DS-01 CONF	ND	ND (X)	NC	NC	NC
gamma-BHC	01-SS-07-01	01-DS-02	ND	0.34 (X)	NC	NC	NC
gamma-BHC	01-SD-02-01	01-DS-03	0.79 (B)	0.92 (CB@)	0.855	0.1	15
gamma-BHC	04-SD-02-01	04-DS-01	1.0 (B)	1.2 (CB@)	1.1	0.1	18
gamma-BHC	06-MW-03-02	06-DS-01	ND	0.42 (X)	NC	NC	NC
gamma-BHC	06-SB-01-01	06-DS-02	50.0	13.0 (X)	31.5	26.2	117
gamma-BHC	07-MW-03-02	07-DS-01	1.2 (B)	0.65 (BG@)	0.925	0.4	59
gamma-BHC	07-SS-01-01	07-DS-02 CONF	19.0 (C)	ND (X)	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-53

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8080, cont.							
Type = Field Duplicate, cont.							
gamma-BHC	07-SD-01-01	07-DS-03 CONF	ND	ND (X)	NC	NC	NC
gamma-BHC	09-MW-06-02	09-DS-01 CONF	ND	ND (X)	NC	NC	NC
gamma-BHC	10-MW-01-01	10-DS-01	ND	0.42 (X)	NC	NC	NC
gamma-BHC	10-SS-03-01	10-DS-02 CONF	ND	ND (X)	NC	NC	NC
Type = Laboratory Control							
4,4'-DDT	LCS	LCS DUP	89.0	95.0	92	4.2	7
4,4'-DDT	LCS	LCS DUP	100.0	98.0	99	1.4	2
4,4'-DDT	LCS	LCS DUP	90.0	84.0	87	4.2	7
4,4'-DDT	LCS	LCS DUP	83.0	87.0	85	2.8	5
4,4'-DDT	LCS	LCS DUP	107.0	100.0	103.5	4.9	7
4,4'-DDT	LCS	LCS DUP	107.0	103.0	105	2.8	4
4,4'-DDT	LCS	LCS DUP	101.0	98.0	99.5	2.1	3
4,4'-DDT	LCS	LCS DUP	90.0	98.0	94	5.7	9
4,4'-DDT	LCS	LCS DUP	86.0	81.0	83.5	3.5	6
4,4'-DDT	LCS	LCS DUP	105.0	107.0	106	1.4	2
4,4'-DDT	LCS	LCS DUP	105.0	110.0	107.5	3.5	5
4,4'-DDT	LCS	LCS DUP	132.0	97.0	114.5	24.7	31
4,4'-DDT	LCS	LCS DUP	81.0	103.0	92	15.6	24
4,4'-DDT	LCS	LCS DUP	95.0	99.0	97	2.8	4
4,4'-DDT	LCS	LCS DUP	104.0	107.0	105.5	2.1	3
Aldrin	LCS	LCS DUP	93.0	104.0	98.5	7.8	11
Aldrin	LCS	LCS DUP	102.0	105.0	103.5	2.1	3
Aldrin	LCS	LCS DUP	93.0	90.0	91.5	2.1	3
Aldrin	LCS	LCS DUP	92.0	94.0	93	1.4	2
Aldrin	LCS	LCS DUP	136.0 (Q)	114.0	125	15.6	18
Aldrin	LCS	LCS DUP	115.0	112.0	113.5	2.1	3
Aldrin	LCS	LCS DUP	113.0	110.0	111.5	2.1	3
Aldrin	LCS	LCS DUP	100.0	108.0	104	5.7	8
Aldrin	LCS	LCS DUP	115.0	113.0	114	1.4	2
Aldrin	LCS	LCS DUP	104.0	108.0	106	2.8	4
Aldrin	LCS	LCS DUP	96.0	100.0	98	2.8	4

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

() = Footnote Character

A-3-54

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8080, cont.							
Type = Laboratory Control, cont.							
Aldrin	LCS	LCS DUP	114.0	116.0	115	1.4	2
Aldrin	LCS	LCS DUP	81.0	106.0	93.5	17.7	27
Aldrin	LCS	LCS DUP	103.0	107.0	105	2.8	4
Aldrin	LCS	LCS DUP	105.0	110.0	107.5	3.5	5
Dieldrin	LCS	LCS DUP	87.0	93.0	90	4.2	7
Dieldrin	LCS	LCS DUP	94.0	95.0	94.5	0.7	1
Dieldrin	LCS	LCS DUP	85.0	83.0	84	1.4	2
Dieldrin	LCS	LCS DUP	83.0	89.0	86	4.2	7
Dieldrin	LCS	LCS DUP	98.0	99.0	98.5	0.7	1
Dieldrin	LCS	LCS DUP	106.0	105.0	105.5	0.7	1
Dieldrin	LCS	LCS DUP	102.0	101.0	101.5	0.7	1
Dieldrin	LCS	LCS DUP	94.0	98.0	96	2.8	4
Dieldrin	LCS	LCS DUP	90.0	85.0	87.5	3.5	6
Dieldrin	LCS	LCS DUP	94.0	97.0	95.5	2.1	3
Dieldrin	LCS	LCS DUP	93.0	97.0	95	2.8	4
Dieldrin	LCS	LCS DUP	106.0	107.0	106.5	0.7	1
Dieldrin	LCS	LCS DUP	79.0	102.0	90.5	16.3	25
Dieldrin	LCS	LCS DUP	96.0	100.0	98	2.8	4
Dieldrin	LCS	LCS DUP	98.0	101.0	99.5	2.1	3
Endosulfan II	LCS	LCS DUP	80.0	91.0	85.5	7.8	13
Endosulfan II	LCS	LCS DUP	88.0	88.0	88	0.0	0
Endosulfan II	LCS	LCS DUP	79.0	75.0	77	2.8	5
Endosulfan II	LCS	LCS DUP	75.0	79.0	77	2.8	5
Endosulfan II	LCS	LCS DUP	90.0	84.0	87	4.2	7
Endosulfan II	LCS	LCS DUP	97.0	95.0	96	1.4	2
Endosulfan II	LCS	LCS DUP	94.0	92.0	93	1.4	2
Endosulfan II	LCS	LCS DUP	72.0	55.0	63.5	12.0	27
Endosulfan II	LCS	LCS DUP	91.0	87.0	89	2.8	4
Endosulfan II	LCS	LCS DUP	87.0	85.0	86	1.4	2
Endosulfan II	LCS	LCS DUP	90.0	88.0	89	1.4	2
Endosulfan II	LCS	LCS DUP	74.0	100.0	87	18.4	30
Endosulfan II	LCS	LCS DUP	73.0	93.0	83	14.1	24

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-55

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8080, cont.							
Type = Laboratory Control, cont.							
Endosulfan II	LCS	LCS DUP	96.0	93.0	94.5	2.1	3
Endosulfan II	LCS	LCS DUP	91.0	89.0	90	1.4	2
Endrin	LCS	LCS DUP	97.0	102.0	99.5	3.5	5
Endrin	LCS	LCS DUP	107.0	105.0	106	1.4	2
Endrin	LCS	LCS DUP	96.0	90.0	93	4.2	6
Endrin	LCS	LCS DUP	84.0	91.0	87.5	4.9	8
Endrin	LCS	LCS DUP	103.0	74.0	88.5	20.5	33
Endrin	LCS	LCS DUP	130.0	72.0	101	41.0	57
Endrin	LCS	LCS DUP	126.0	70.0	98	39.6	57
Endrin	LCS	LCS DUP	100.0	105.0	102.5	3.5	5
Endrin	LCS	LCS DUP	96.0	82.0	89	9.9	16
Endrin	LCS	LCS DUP	74.0	85.0	79.5	7.8	14
Endrin	LCS	LCS DUP	75.0	88.0	81.5	9.2	16
Endrin	LCS	LCS DUP	106.0	109.0	107.5	2.1	3
Endrin	LCS	LCS DUP	78.0	65.0	71.5	9.2	18
Endrin	LCS	LCS DUP	78.0	90.0	84	8.5	14
Endrin	LCS	LCS DUP	73.0	85.0	79	8.5	15
Endrin Aldehyde	LCS	LCS DUP	70.0	75.0	72.5	3.5	7
Endrin Aldehyde	LCS	LCS DUP	79.0	93.0	86	9.9	16
Endrin Aldehyde	LCS	LCS DUP	81.0	80.0	80.5	0.7	1
Endrin Aldehyde	LCS	LCS DUP	58.0	63.0	60.5	3.5	8
Endrin Aldehyde	LCS	LCS DUP	104.0	98.0	101	4.2	6
Endrin Aldehyde	LCS	LCS DUP	74.0	110.0	92	25.5	39
Endrin Aldehyde	LCS	LCS DUP	68.0	104.0	86	25.5	42
Endrin Aldehyde	LCS	LCS DUP	83.0	74.0	78.5	6.4	11
Endrin Aldehyde	LCS	LCS DUP	107.0	101.0	104	4.2	6
Endrin Aldehyde	LCS	LCS DUP	98.0	63.0	80.5	24.7	43
Endrin Aldehyde	LCS	LCS DUP	100.0	62.0	81	26.9	47
Endrin Aldehyde	LCS	LCS DUP	51.0	92.0	71.5	29.0	57
Endrin Aldehyde	LCS	LCS DUP	73.0	109.0	91	25.5	40
Endrin Aldehyde	LCS	LCS DUP	111.0	72.0	91.5	27.6	43
Endrin Aldehyde	LCS	LCS DUP	102.0	66.0	84	25.5	43

Compiled: 11 May 1994

NC = Not Confirmed      ND = Not Detected      ( ) = Footnote Character

A-3-56



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8080, cont.							
Type = Laboratory Control, cont.							
Heptachlor	LCS	LCS DUP	91.0	101.0	96	7.1	10
Heptachlor	LCS	LCS DUP	101.0	103.0	102	1.4	2
Heptachlor	LCS	LCS DUP	91.0	86.0	88.5	3.5	6
Heptachlor	LCS	LCS DUP	88.0	92.0	90	2.8	4
Heptachlor	LCS	LCS DUP	99.0	103.0	101	2.8	4
Heptachlor	LCS	LCS DUP	110.0	107.0	108.5	2.1	3
Heptachlor	LCS	LCS DUP	104.0	102.0	103	1.4	2
Heptachlor	LCS	LCS DUP	94.0	99.0	96.5	3.5	5
Heptachlor	LCS	LCS DUP	100.0	109.0	104.5	6.4	9
Heptachlor	LCS	LCS DUP	88.0	91.0	89.5	2.1	3
Heptachlor	LCS	LCS DUP	87.0	92.0	89.5	3.5	6
Heptachlor	LCS	LCS DUP	126.0 (Q)	103.0	114.5	16.3	20
Heptachlor	LCS	LCS DUP	78.0	101.0	89.5	16.3	26
Heptachlor	LCS	LCS DUP	103.0	102.0	102.5	0.7	1
Heptachlor	LCS	LCS DUP	100.0	105.0	102.5	3.5	5
Heptachlor	LCS	LCS DUP	92.0	99.0	95.5	4.9	7
Heptachlor epoxide	LCS	LCS DUP	105.0	103.0	104	1.4	2
Heptachlor epoxide	LCS	LCS DUP	97.0	89.0	93	5.7	9
Heptachlor epoxide	LCS	LCS DUP	104.0	110.0	107	4.2	6
Heptachlor epoxide	LCS	LCS DUP	142.0	120.0	131	15.6	17
Heptachlor epoxide	LCS	LCS DUP	111.0	107.0	109	2.8	4
Heptachlor epoxide	LCS	LCS DUP	109.0	104.0	106.5	3.5	5
Heptachlor epoxide	LCS	LCS DUP	99.0	111.0	105	8.5	11
Heptachlor epoxide	LCS	LCS DUP	93.0	88.0	90.5	3.5	6
Heptachlor epoxide	LCS	LCS DUP	88.0	91.0	89.5	2.1	3
Heptachlor epoxide	LCS	LCS DUP	91.0	94.0	92.5	2.1	3
Heptachlor epoxide	LCS	LCS DUP	397.0 (Q)	119.0	258	196.6	108
Heptachlor epoxide	LCS	LCS DUP	79.0	102.0	90.5	16.3	25
Heptachlor epoxide	LCS	LCS DUP	112.0	112.0	112	0.0	0
Heptachlor epoxide	LCS	LCS DUP	101.0	103.0	102	1.4	2
Heptachlor epoxide	LCS	LCS DUP	97.0	107.0	102	7.1	10
Mirex	LCS	LCS DUP	109.0	113.0	111	2.8	4

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-57

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8080, cont.							
Type = Laboratory Control, cont.							
Mirex	LCS	LCS DUP	96.0	94.0	95	1.4	2
Mirex	LCS	LCS DUP	94.0	99.0	96.5	3.5	5
Mirex	LCS	LCS DUP	115.0	111.0	113	2.8	4
Mirex	LCS	LCS DUP	115.0	114.0	114.5	0.7	1
Mirex	LCS	LCS DUP	109.0	108.0	108.5	0.7	1
Mirex	LCS	LCS DUP	104.0	110.0	107	4.2	6
Mirex	LCS	LCS DUP	108.0	102.0	105	4.2	6
Mirex	LCS	LCS DUP	112.0	115.0	113.5	2.1	3
Mirex	LCS	LCS DUP	116.0	120.0	118	2.8	3
Mirex	LCS	LCS DUP	142.0	119.0	130.5	16.3	18
Mirex	LCS	LCS DUP	101.0	126.0	113.5	17.7	22
Mirex	LCS	LCS DUP	101.0	106.0	103.5	3.5	5
Mirex	LCS	LCS DUP	106.0	111.0	108.5	3.5	5
PCB-1016	LCS	LCS DUP	93.0	87.0	90	4.2	7
PCB-1016	LCS	LCS DUP	116.0 (Q)	96.0	106	14.1	19
PCB-1016	LCS	LCS DUP	269.0 (Q)	212.0 (Q)	240.5	40.3	24
PCB-1016	LCS	LCS DUP	111.0	275.0 (Q)	193	116.0	85
PCB-1016	LCS	LCS DUP	86.0	117.0 (Q)	101.5	21.9	31
PCB-1016	LCS	LCS DUP	83.0	113.0	98	21.2	31
PCB-1016	LCS	LCS DUP	124.0 (Q)	124.0 (Q)	124	0.0	0
PCB-1016	LCS	LCS DUP	317.0 (Q)	269.0 (Q)	293	33.9	16
PCB-1016	LCS	LCS DUP	104.0	91.0	97.5	9.2	13
PCB-1016	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
PCB-1016	LCS	LCS DUP	190.0 (Q)	112.0	151	55.2	52
PCB-1016	LCS	LCS DUP	87.0	90.0	88.5	2.1	3
PCB-1260	LCS	LCS DUP	89.0	84.0	86.5	3.5	6
PCB-1260	LCS	LCS DUP	90.0	97.0	93.5	4.9	7
PCB-1260	LCS	LCS DUP	118.0	104.0	111	9.9	13
PCB-1260	LCS	LCS DUP	121.0	113.0	117	5.7	7
PCB-1260	LCS	LCS DUP	86.0	121.0	103.5	24.7	34
PCB-1260	LCS	LCS DUP	81.0	111.0	96	21.2	31
PCB-1260	LCS	LCS DUP	126.0	121.0	123.5	3.5	4

Compiled: 11 May 1994

NC = Not Characterizable ND = Not Detected ( ) = Footnote Character

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8080, cont.							
Type = Laboratory Control, cont.							
PCB-1260	LCS	LCS DUP	111.0	111.0	111	0.0	0
PCB-1260	LCS	LCS DUP	93.0	95.0	94	1.4	2
PCB-1260	LCS	LCS DUP	86.0	87.0	86.5	0.7	1
PCB-1260	LCS	LCS DUP	110.0	112.0	111	1.4	2
PCB-1260	LCS	LCS DUP	90.0	95.0	92.5	3.5	5
alpha-BHC	LCS	LCS DUP	103.0	113.0	108	7.1	9
alpha-BHC	LCS	LCS DUP	113.0	112.0	112.5	0.7	1
alpha-BHC	LCS	LCS DUP	102.0	99.0	100.5	2.1	3
alpha-BHC	LCS	LCS DUP	95.0	102.0	98.5	4.9	7
alpha-BHC	LCS	LCS DUP	116.0	104.0	110	8.5	11
alpha-BHC	LCS	LCS DUP	115.0	111.0	113	2.8	4
alpha-BHC	LCS	LCS DUP	115.0	111.0	113	2.8	4
alpha-BHC	LCS	LCS DUP	98.0	103.0	100.5	3.5	5
alpha-BHC	LCS	LCS DUP	101.0	95.0	98	4.2	6
alpha-BHC	LCS	LCS DUP	112.0	112.0	112	0.0	0
alpha-BHC	LCS	LCS DUP	114.0	115.0	114.5	0.7	1
alpha-BHC	LCS	LCS DUP	124.0	123.0	123.5	0.7	1
alpha-BHC	LCS	LCS DUP	83.0	109.0	96	18.4	27
alpha-BHC	LCS	LCS DUP	102.0	102.0	102	0.0	0
alpha-BHC	LCS	LCS DUP	99.0	103.0	101	2.8	4
alpha-Chlordane	LCS	LCS DUP	101.0	108.0	104.5	4.9	7
alpha-Chlordane	LCS	LCS DUP	111.0	111.0	111	0.0	0
alpha-Chlordane	LCS	LCS DUP	100.0	97.0	98.5	2.1	3
alpha-Chlordane	LCS	LCS DUP	98.0	107.0	102.5	6.4	9
alpha-Chlordane	LCS	LCS DUP	124.0	117.0	120.5	4.9	6
alpha-Chlordane	LCS	LCS DUP	136.0	125.0	130.5	7.8	8
alpha-Chlordane	LCS	LCS DUP	130.0	120.0	125	7.1	8
alpha-Chlordane	LCS	LCS DUP	106.0	112.0	109	4.2	6
alpha-Chlordane	LCS	LCS DUP	114.0	102.0	108	8.5	11
alpha-Chlordane	LCS	LCS DUP	111.0	113.0	112	1.4	2
alpha-Chlordane	LCS	LCS DUP	109.0	115.0	112	4.2	5
alpha-Chlordane	LCS	LCS DUP	149.0	124.0	136.5	17.7	18

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8080, cont.							
Type = Laboratory Control, cont.							
alpha-Chlordane	LCS	LCS DUP	90.0	121.0	105.5	21.9	29
alpha-Chlordane	LCS	LCS DUP	112.0	114.0	113	1.4	2
alpha-Chlordane	LCS	LCS DUP	101.0	107.0	104	4.2	6
delta-BHC	LCS	LCS DUP	76.0	81.0	78.5	3.5	6
delta-BHC	LCS	LCS DUP	84.0	84.0	84	0.0	0
delta-BHC	LCS	LCS DUP	83.0	79.0	81	2.8	5
delta-BHC	LCS	LCS DUP	94.0	100.0	97	4.2	6
delta-BHC	LCS	LCS DUP	172.0 (Q)	109.0	140.5	44.5	45
delta-BHC	LCS	LCS DUP	122.0	108.0	115	9.9	12
delta-BHC	LCS	LCS DUP	125.0	111.0	118	9.9	12
delta-BHC	LCS	LCS DUP	95.0	102.0	98.5	4.9	7
delta-BHC	LCS	LCS DUP	101.0	94.0	97.5	4.9	7
delta-BHC	LCS	LCS DUP	99.0	102.0	100.5	2.1	3
delta-BHC	LCS	LCS DUP	106.0	109.0	107.5	2.1	3
delta-BHC	LCS	LCS DUP	124.0	111.0	117.5	9.2	11
delta-BHC	LCS	LCS DUP	79.0	105.0	92	18.4	28
delta-BHC	LCS	LCS DUP	91.0	94.0	92.5	2.1	3
delta-BHC	LCS	LCS DUP	94.0	100.0	97	4.2	6
gamma-BHC	LCS	LCS DUP	88.0	94.0	91	4.2	7
gamma-BHC	LCS	LCS DUP	94.0	94.0	94	0.0	0
gamma-BHC	LCS	LCS DUP	84.0	83.0	83.5	0.7	1
gamma-BHC	LCS	LCS DUP	103.0	104.0	103.5	0.7	1
gamma-BHC	LCS	LCS DUP	100.0	105.0	102.5	3.5	5
gamma-BHC	LCS	LCS DUP	115.0	112.0	113.5	2.1	3
gamma-BHC	LCS	LCS DUP	114.0	111.0	112.5	2.1	3
gamma-BHC	LCS	LCS DUP	97.0	100.0	98.5	2.1	3
gamma-BHC	LCS	LCS DUP	101.0	95.0	98	4.2	6
gamma-BHC	LCS	LCS DUP	109.0	111.0	110	1.4	2
gamma-BHC	LCS	LCS DUP	108.0	108.0	108	0.0	0
gamma-BHC	LCS	LCS DUP	103.0	121.0	112	12.7	16
gamma-BHC	LCS	LCS DUP	79.0	106.0	92.5	19.1	29
gamma-BHC	LCS	LCS DUP	98.0	114.0	106	11.3	15

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

() = Footnote Character

A-3-60

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8080, cont.							
Type = Laboratory Control, cont.							
gamma-BHC	LCS	LCS DUP	103.0	105.0	104	1.4	2
gamma-Chlordane	LCS	LCS DUP	96.0	103.0	99.5	4.9	7
gamma-Chlordane	LCS	LCS DUP	103.0	103.0	103	0.0	0
gamma-Chlordane	LCS	LCS DUP	94.0	90.0	92	2.8	4
gamma-Chlordane	LCS	LCS DUP	100.0	106.0	103	4.2	6
gamma-Chlordane	LCS	LCS DUP	106.0	118.0	112	8.5	11
gamma-Chlordane	LCS	LCS DUP	116.0	114.0	115	1.4	2
gamma-Chlordane	LCS	LCS DUP	112.0	111.0	111.5	0.7	1
gamma-Chlordane	LCS	LCS DUP	101.0	106.0	103.5	3.5	5
gamma-Chlordane	LCS	LCS DUP	116.0	105.0	110.5	7.8	10
gamma-Chlordane	LCS	LCS DUP	100.0	103.0	101.5	2.1	3
gamma-Chlordane	LCS	LCS DUP	101.0	106.0	103.5	3.5	5
gamma-Chlordane	LCS	LCS DUP	132.0	110.0	121	15.6	18
gamma-Chlordane	LCS	LCS DUP	83.0	107.0	95	17.0	25
gamma-Chlordane	LCS	LCS DUP	99.0	103.0	101	2.8	4
gamma-Chlordane	LCS	LCS DUP	104.0	108.0	106	2.8	4
Type = Matrix Spike							
4,4'-DDT	01-SS-07-01 MS	01-SS-07-01 MSD	87.0	98.0	92.5	7.8	12
4,4'-DDT	04-DS-01 MS	04-DS-01 MSD	127.0	24.0 (Q)	75.5	72.8	136
4,4'-DDT	06-DS-01 MS	06-DS-01 MSD	50.0	52.0	51	1.4	4
4,4'-DDT	06-DS-02 MS	06-DS-02 MSD	158.0	236.0 (Q)	197	55.2	40
4,4'-DDT	06-MW-01-02 MS	06-MW-01-02 MSD	82.0	103.0	92.5	14.8	23
4,4'-DDT	07-MW-03-02 MS	07-MW-03-02 MSD	77.0	30.0	53.5	33.2	88
4,4'-DDT	07-SS-01-01 MS	07-SS-01-01 MSD	80.0	78.0	79	1.4	3
4,4'-DDT	09-SS-01-01 MS	09-SS-01-01 MSD	170.0	51.0 (Q)	110.5	84.1	108
4,4'-DDT	10-DS-01 MS	10-DS-01 MSD	1.0 (Q)	42.0 (Q)	21.5	29.0	191
4,4'-DDT	10-MW-02-01 MS	10-MW-02-01 MSD	0.00 (Q)	0.00 (Q)	0	0.0	NC
4,4'-DDT	10-SS-01-01 MS	10-SS-01-01 MSD	91.0	91.0	91	0.0	0
Aldrin	01-SS-07-01 MS	01-SS-07-01 MSD	126.0 (Q)	149.0 (Q)	137.5	16.3	17
Aldrin	04-DS-01 MS	04-DS-01 MSD	100.0	111.0	105.5	7.8	10
Aldrin	06-DS-01 MS	06-DS-01 MSD	77.0	83.0	80	4.2	8

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-61

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8080, cont.							
Type = Matrix Spike, cont.							
Aldrin	06-DS-02 MS	06-DS-02 MSD	98.0	106.0	102	5.7	8
Aldrin	06-MW-01-02 MS	06-MW-01-02 MSD	96.0	93.0	94.5	2.1	3
Aldrin	07-MW-03-02 MS	07-MW-03-02 MSD	105.0	42.0	73.5	44.5	86
Aldrin	07-SS-01-01 MS	07-SS-01-01 MSD	118.0	111.0	114.5	4.9	6
Aldrin	09-SS-01-01 MS	09-SS-01-01 MSD	137.0 (Q)	138.0 (Q)	137.5	0.7	1
Aldrin	10-DS-01 MS	10-DS-01 MSD	81.0	84.0	82.5	2.1	4
Aldrin	10-MW-02-01 MS	10-MW-02-01 MSD	83.0	76.0	79.5	4.9	9
Aldrin	10-SS-01-01 MS	10-SS-01-01 MSD	84.0	83.0	83.5	0.7	1
Dieldrin	01-SS-07-01 MS	01-SS-07-01 MSD	88.0	102.0	95	9.9	15
Dieldrin	04-DS-01 MS	04-DS-01 MSD	194.0 (Q)	52.0	123	100.4	115
Dieldrin	06-DS-01 MS	06-DS-01 MSD	78.0	80.0	79	1.4	3
Dieldrin	06-DS-02 MS	06-DS-02 MSD	98.0	95.0	96.5	2.1	3
Dieldrin	06-MW-01-02 MS	06-MW-01-02 MSD	89.0	86.0	87.5	2.1	3
Dieldrin	07-MW-03-02 MS	07-MW-03-02 MSD	89.0	49.0	69	28.3	58
Dieldrin	07-SS-01-01 MS	07-SS-01-01 MSD	51.0	40.0	45.5	7.8	24
Dieldrin	09-SS-01-01 MS	09-SS-01-01 MSD	99.0	99.0	99	0.0	0
Dieldrin	10-DS-01 MS	10-DS-01 MSD	78.0	78.0	78	0.0	0
Dieldrin	10-MW-02-01 MS	10-MW-02-01 MSD	90.0	82.0	86	5.7	9
Dieldrin	10-SS-01-01 MS	10-SS-01-01 MSD	94.0	94.0	94	0.0	0
Endrin	01-SS-07-01 MS	01-SS-07-01 MSD	110.0	120.0	115	7.1	9
Endrin	04-DS-01 MS	04-DS-01 MSD	102.0	105.0	103.5	2.1	3
Endrin	06-DS-01 MS	06-DS-01 MSD	106.0	99.0	102.5	4.9	7
Endrin	06-DS-02 MS	06-DS-02 MSD	104.0	111.0	107.5	4.9	7
Endrin	06-MW-01-02 MS	06-MW-01-02 MSD	97.0	100.0	98.5	2.1	3
Endrin	07-MW-03-02 MS	07-MW-03-02 MSD	112.0	60.0	86	36.8	60
Endrin	07-SS-01-01 MS	07-SS-01-01 MSD	86.0	82.0	84	2.8	5
Endrin	09-SS-01-01 MS	09-SS-01-01 MSD	91.0	89.0	90	1.4	2
Endrin	10-DS-01 MS	10-DS-01 MSD	92.0	90.0	91	1.4	2
Endrin	10-MW-02-01 MS	10-MW-02-01 MSD	87.0	77.0	82	7.1	12
Endrin	10-SS-01-01 MS	10-SS-01-01 MSD	85.0	84.0	84.5	0.7	1
Heptachlor	01-SS-07-01 MS	01-SS-07-01 MSD	110.0	132.0 (Q)	121	15.6	18
Heptachlor	04-DS-01 MS	04-DS-01 MSD	90.0	103.0	96.5	9.2	13

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

() = Footnote Character

A-3-62

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8080, cont.							
Type = Matrix Spike, cont.							
Heptachlor	06-DS-01 MS	06-DS-01 MSD	83.0	88.0	85.5	3.5	6
Heptachlor	06-DS-02 MS	06-DS-02 MSD	86.0	88.0	87	1.4	2
Heptachlor	06-MW-01-02 MS	06-MW-01-02 MSD	82.0	74.0	78	5.7	10
Heptachlor	07-MW-03-02 MS	07-MW-03-02 MSD	78.0	44.0	61	24.0	56
Heptachlor	07-SS-01-01 MS	07-SS-01-01 MSD	50.0	51.0	50.5	0.7	2
Heptachlor	09-SS-01-01 MS	09-SS-01-01 MSD	98.0	97.0	97.5	0.7	1
Heptachlor	10-DS-01 MS	10-DS-01 MSD	87.0	90.0	88.5	2.1	3
Heptachlor	10-MW-02-01 MS	10-MW-02-01 MSD	88.0	82.0	85	4.2	7
Heptachlor	10-SS-01-01 MS	10-SS-01-01 MSD	76.0	76.0	76	0.0	0
gamma-BHC	01-SS-07-01 MS	01-SS-07-01 MSD	121.0	140.0 (Q)	130.5	13.4	15
gamma-BHC	04-DS-01 MS	04-DS-01 MSD	81.0	82.0	81.5	0.7	1
gamma-BHC	06-DS-01 MS	06-DS-01 MSD	86.0	82.0	84	2.8	5
gamma-BHC	06-DS-02 MS	06-DS-02 MSD	97.0	92.0	94.5	3.5	5
gamma-BHC	06-MW-01-02 MS	06-MW-01-02 MSD	60.0	60.0	60	0.0	0
gamma-BHC	07-MW-03-02 MS	07-MW-03-02 MSD	88.0	41.0	64.5	33.2	73
gamma-BHC	07-SS-01-01 MS	07-SS-01-01 MSD	65.0	48.0	56.5	12.0	30
gamma-BHC	09-SS-01-01 MS	09-SS-01-01 MSD	63.0	66.0	64.5	2.1	5
gamma-BHC	10-DS-01 MS	10-DS-01 MSD	81.0	88.0	84.5	4.9	8
gamma-BHC	10-MW-02-01 MS	10-MW-02-01 MSD	83.0	76.0	79.5	4.9	9
gamma-BHC	10-SS-01-01 MS	10-SS-01-01 MSD	94.0	93.0	93.5	0.7	1
Method = SW8240							
Type = Field Duplicate							
1,1,1-Trichloroethane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
1,1,1-Trichloroethane	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
1,1,1-Trichloroethane	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
1,1,1-Trichloroethane	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
1,1,1-Trichloroethane	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
1,1,1-Trichloroethane	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
1,1,1-Trichloroethane	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
1,1,1-Trichloroethane	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
1,1,1-Trichloroethane	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
1,1,1-Trichloroethane	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
1,1,1-Trichloroethane	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
1,1,1-Trichloroethane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
1,1,1-Trichloroethane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
1,1,1-Trichloroethane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
1,1,1-Trichloroethane	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
1,1,1-Trichloroethane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
1,1,1-Trichloroethane	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
1,1,2,2-Tetrachloroethane	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
1,1,2,2-Tetrachloroethane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	01-SD-02-01	01-DS-03	ND	6.6	NC	NC	NC
1,1,2,2-Tetrachloroethane	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
1,1,2,2-Tetrachloroethane	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Cachable ND = Not Detected ( ) = Footnote Character



TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
1,1,2-Trichloroethane	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
1,1,2-Trichloroethane	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
1,1,2-Trichloroethane	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
1,1,2-Trichloroethane	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
1,1,2-Trichloroethane	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
1,1,2-Trichloroethane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
1,1,2-Trichloroethane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
1,1,2-Trichloroethane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
1,1,2-Trichloroethane	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
1,1,2-Trichloroethane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
1,1,2-Trichloroethane	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
1,1-Dichloroethane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
1,1-Dichloroethane	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
1,1-Dichloroethane	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
1,1-Dichloroethane	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
1,1-Dichloroethane	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
1,1-Dichloroethane	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
1,1-Dichloroethane	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
1,1-Dichloroethane	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
1,1-Dichloroethane	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
1,1-Dichloroethane	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
1,1-Dichloroethane	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
1,1-Dichloroethane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
1,1-Dichloroethane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
1,1-Dichloroethane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
1,1-Dichloroethane	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
1,1-Dichloroethane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
1,1-Dichloroethane	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
1,1-Dichloroethane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
1,1-Dichloroethane	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
1,1-Dichloroethane	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
1,1-Dichloroethane	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-65

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
1,1-Dichloroethene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
1,1-Dichloroethene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
1,1-Dichloroethene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
1,1-Dichloroethene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
1,1-Dichloroethene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
1,1-Dichloroethene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
1,1-Dichloroethene	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
1,1-Dichloroethene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
1,1-Dichloroethene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
1,1-Dichloroethene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
1,1-Dichloroethene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
1,1-Dichloroethene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
1,1-Dichloroethene	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
1,2-Dichloroethane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
1,2-Dichloroethane	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
1,2-Dichloroethane	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
1,2-Dichloroethane	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
1,2-Dichloroethane	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
1,2-Dichloroethane	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
1,2-Dichloroethane	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
1,2-Dichloroethane	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
1,2-Dichloroethane	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
1,2-Dichloroethane	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
1,2-Dichloroethane	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
1,2-Dichloroethane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
1,2-Dichloroethane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
1,2-Dichloroethane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
1,2-Dichloroethane	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
1,2-Dichloroethane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
1,2-Dichloroethane	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
1,2-Dichloropropane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
1,2-Dichloropropane	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Confirmed    ND = Not Detected    ( ) = Footnote Character

A-3-66

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
1,2-Dichloropropane	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
1,2-Dichloropropane	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
1,2-Dichloropropane	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
1,2-Dichloropropane	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
1,2-Dichloropropane	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
1,2-Dichloropropane	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
1,2-Dichloropropane	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
1,2-Dichloropropane	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
1,2-Dichloropropane	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
1,2-Dichloropropane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
1,2-Dichloropropane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
1,2-Dichloropropane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
1,2-Dichloropropane	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
1,2-Dichloropropane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
1,2-Dichloropropane	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	04-SD-02-01	04-DS-01	ND	13.0	NC	NC	NC
2-Chloroethyl vinyl ether	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	07-MW-03-02	07-DS-01	ND	3100.0	NC	NC	NC
2-Chloroethyl vinyl ether	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2-Chloroethyl vinyl ether	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
2-Hexanone	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
2-Hexanone	01-SS-07-01	01-DS-02	ND	67.0 (J)	NC	NC	NC
2-Hexanone	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
2-Hexanone	04-SD-02-01	04-DS-01	ND	66.0	NC	NC	NC
2-Hexanone	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2-Hexanone	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2-Hexanone	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2-Hexanone	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2-Hexanone	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2-Hexanone	06-SB-01-01	06-DS-02	ND	1.6 (J)	NC	NC	NC
2-Hexanone	07-MW-03-02	07-DS-01	ND	15000.0	NC	NC	NC
2-Hexanone	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2-Hexanone	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2-Hexanone	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2-Hexanone	10-MW-01-01	10-DS-01	120.0 (J)	ND	NC	NC	NC
2-Hexanone	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2-Hexanone	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	04-SD-02-01	04-DS-01	ND	66.0	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	06-SB-01-01	06-DS-02	ND	1.3 (J)	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	07-MW-03-02	07-DS-01	ND	15000.0	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Detectable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
4-Methyl-2-pentanone (MIBK)	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
4-Methyl-2-pentanone (MIBK)	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Acetone	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Acetone	01-SS-07-01	01-DS-02	ND	540.0 (J)	NC	NC	NC
Acetone	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Acetone	04-SD-02-01	04-DS-01	ND	130.0	NC	NC	NC
Acetone	05-SB-03-01	05-DS-01	190.0	150.0 (BB)	170	28.3	24
Acetone	05-MW-03-02	05-DS-02	ND	20.0 (JB)	NC	NC	NC
Acetone	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Acetone	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Acetone	06-MW-03-02	06-DS-01	570.0 (J)	2.8 (JB)	286.4	401.1	198
Acetone	06-SB-01-01	06-DS-02	3.9 (J)	9.5 (JB)	6.7	4.0	84
Acetone	07-MW-03-02	07-DS-01	ND	31000.0	NC	NC	NC
Acetone	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Acetone	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Acetone	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Acetone	10-MW-01-01	10-DS-01	1000.0 (J)	6.5 (JB)	503.25	702.5	197
Acetone	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Acetone	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Benzene	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Benzene	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Benzene	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Benzene	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Benzene	05-SB-03-01	05-DS-01	160.0	47.0	103.5	79.9	109
Benzene	05-MW-03-02	05-DS-02	31.0 (J)	1200.0 (D)	615.5	826.6	190
Benzene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Benzene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Benzene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Benzene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Benzene	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
Benzene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Benzene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-69

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
Benzene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Benzene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Benzene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Benzene	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Bromodichloromethane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Bromodichloromethane	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Bromodichloromethane	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Bromodichloromethane	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Bromodichloromethane	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Bromodichloromethane	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Bromodichloromethane	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Bromodichloromethane	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Bromodichloromethane	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Bromodichloromethane	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Bromodichloromethane	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
Bromodichloromethane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Bromodichloromethane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Bromodichloromethane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Bromodichloromethane	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Bromodichloromethane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Bromodichloromethane	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Bromomethane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Bromomethane	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Bromomethane	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Bromomethane	04-SD-02-01	04-DS-01	ND	13.0	NC	NC	NC
Bromomethane	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Bromomethane	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Bromomethane	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Bromomethane	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Bromomethane	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Bromomethane	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Bromomethane	07-MW-03-02	07-DS-01	ND	3100.0	NC	NC	NC

Compiled: 11 May 1994

NC = Not Characterable

ND = Not Detected

() = Footnote Character

A-3-70

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
Bromomethane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Bromomethane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Bromomethane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Bromomethane	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Bromomethane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Bromomethane	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Carbon disulfide	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Carbon disulfide	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Carbon disulfide	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Carbon disulfide	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Carbon disulfide	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Carbon disulfide	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Carbon disulfide	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Carbon disulfide	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Carbon disulfide	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Carbon disulfide	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Carbon disulfide	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
Carbon disulfide	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Carbon disulfide	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Carbon disulfide	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Carbon disulfide	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Carbon disulfide	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Carbon disulfide	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Carbon tetrachloride	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Carbon tetrachloride	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Carbon tetrachloride	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Carbon tetrachloride	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Carbon tetrachloride	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Carbon tetrachloride	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Carbon tetrachloride	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Carbon tetrachloride	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Carbon tetrachloride	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-71

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Carbon tetrachloride	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Carbon tetrachloride	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
Carbon tetrachloride	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Carbon tetrachloride	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Carbon tetrachloride	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Carbon tetrachloride	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Carbon tetrachloride	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Carbon tetrachloride	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Chlorobenzene	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Chlorobenzene	01-SS-07-01	01-DS-02	59.0	74.0 (J)	66.5	10.6	23
Chlorobenzene	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Chlorobenzene	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Chlorobenzene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Chlorobenzene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Chlorobenzene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Chlorobenzene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Chlorobenzene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Chlorobenzene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Chlorobenzene	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
Chlorobenzene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Chlorobenzene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Chlorobenzene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Chlorobenzene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Chlorobenzene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Chlorobenzene	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Chloroethane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Chloroethane	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Chloroethane	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Chloroethane	04-SD-02-01	04-DS-01	ND	13.0	NC	NC	NC
Chloroethane	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Chloroethane	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Chloroethane	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC

Method = SW8240, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Detectable

ND = Not Detected

() = Footnote Character

A-3-72



TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
Chloroethane	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Chloroethane	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Chloroethane	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Chloroethane	07-MW-03-02	07-DS-01	ND	3100.0	NC	NC	NC
Chloroethane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Chloroethane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Chloroethane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Chloroethane	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Chloroethane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Chloroethane	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Chloroform	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Chloroform	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Chloroform	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Chloroform	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Chloroform	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Chloroform	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Chloroform	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Chloroform	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Chloroform	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Chloroform	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Chloroform	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
Chloroform	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Chloroform	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Chloroform	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Chloroform	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Chloroform	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Chloroform	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Chloromethane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Chloromethane	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Chloromethane	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Chloromethane	04-SD-02-01	04-DS-01	ND	13.0	NC	NC	NC
Chloromethane	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994.

NC = Not Calculable

ND = Not Detected

() = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
Chloromethane	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Chloromethane	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Chloromethane	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Chloromethane	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Chloromethane	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Chloromethane	07-MW-03-02	07-DS-01	ND	3100.0	NC	NC	NC
Chloromethane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Chloromethane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Chloromethane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Chloromethane	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Chloromethane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Chloromethane	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Dibromochloromethane	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Dibromochloromethane	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Dibromochloromethane	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Dibromochloromethane	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Dibromochloromethane	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Dibromochloromethane	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Dibromochloromethane	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Dibromochloromethane	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Dibromochloromethane	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Dibromochloromethane	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Dibromochloromethane	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
Dibromochloromethane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Dibromochloromethane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Dibromochloromethane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Dibromochloromethane	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Dibromochloromethane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Dibromochloromethane	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Ethyl benzene	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Ethyl benzene	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Ethyl benzene	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Characterable ND = Not Detected ( ) = Footnote Character

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
Ethyl benzene	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Ethyl benzene	05-SB-03-01	05-DS-01	5.3 (J)	ND	NC	NC	NC
Ethyl benzene	05-MW-03-02	05-DS-02	ND	150.0	NC	NC	NC
Ethyl benzene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Ethyl benzene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Ethyl benzene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Ethyl benzene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Ethyl benzene	07-MW-03-02	07-DS-01	1200.0	1700.0 (Q)	1450	353.6	34
Ethyl benzene	07-SS-01-01	07-DS-02	41.0 (J)	ND	NC	NC	NC
Ethyl benzene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Ethyl benzene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Ethyl benzene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Ethyl benzene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Ethyl benzene	11-SS-01-01	11-DS-01	9.6 (J)	8.5 (J)	9.05	0.8	12
Methyl ethyl ketone	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Methyl ethyl ketone	01-SS-07-01	01-DS-02	ND	1500.0 (J)	NC	NC	NC
Methyl ethyl ketone	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Methyl ethyl ketone	04-SD-02-01	04-DS-01	ND	130.0	NC	NC	NC
Methyl ethyl ketone	05-SB-03-01	05-DS-01	36.0 (J)	28.0 (JB)	32	5.7	25
Methyl ethyl ketone	05-MW-03-02	05-DS-02	540.0 (J)	3.3 (J)	271.65	379.5	198
Methyl ethyl ketone	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Methyl ethyl ketone	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Methyl ethyl ketone	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Methyl ethyl ketone	06-SB-01-01	06-DS-02	ND	3.0 (J)	NC	NC	NC
Methyl ethyl ketone	07-MW-03-02	07-DS-01	ND	31000.0	NC	NC	NC
Methyl ethyl ketone	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Methyl ethyl ketone	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Methyl ethyl ketone	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Methyl ethyl ketone	10-MW-01-01	10-DS-01	570.0 (J)	ND	NC	NC	NC
Methyl ethyl ketone	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Methyl ethyl ketone	11-SS-01-01	11-DS-01	ND	330.0 (J)	NC	NC	NC
Methylene chloride	01-SD-01-01	01-DS-01	60.0	56.0	58	2.8	7

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-75

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
Methylene chloride	01-SS-07-01	01-DS-02	130.0 (J)	ND	NC	NC	NC
Methylene chloride	01-SD-02-01	01-DS-03	ND	11.0 (@)	NC	NC	NC
Methylene chloride	04-SD-02-01	04-DS-01	2.9 (J)	9.4 (B@)	6.15	4.6	106
Methylene chloride	05-SB-03-01	05-DS-01	12.0	4.7 (JB)	8.35	5.2	87
Methylene chloride	05-MW-03-02	05-DS-02	ND	6.6 (@)	NC	NC	NC
Methylene chloride	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Methylene chloride	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Methylene chloride	06-MW-03-02	06-DS-01	ND	0.99 (J)	NC	NC	NC
Methylene chloride	06-SB-01-01	06-DS-02	13.0	1.6 (J)	7.3	8.1	156
Methylene chloride	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
Methylene chloride	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Methylene chloride	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Methylene chloride	09-MW-06-02	09-DS-01	3.2 (J)	7.4 (B@)	5.3	3.0	79
Methylene chloride	10-MW-01-01	10-DS-01	ND	16.0 (@)	NC	NC	NC
Methylene chloride	10-SS-03-01	10-DS-02	ND	4.5 (J)	NC	NC	NC
Methylene chloride	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Styrene	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Styrene	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Styrene	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Styrene	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Styrene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Styrene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Styrene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Styrene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Styrene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Styrene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Styrene	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
Styrene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Styrene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Styrene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Styrene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Styrene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Confirmed ND = Not Detected ( ) = Footnote Character

A-3-76

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
Styrene	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Tetrachloroethene	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Tetrachloroethene	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Tetrachloroethene	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Tetrachloroethene	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Tetrachloroethene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Tetrachloroethene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Tetrachloroethene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Tetrachloroethene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Tetrachloroethene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Tetrachloroethene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Tetrachloroethene	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
Tetrachloroethene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Tetrachloroethene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Tetrachloroethene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Tetrachloroethene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Tetrachloroethene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Tetrachloroethene	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Toluene	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Toluene	01-SS-07-01	01-DS-02	43.0 (J)	84.0 (J)	63.5	29.0	65
Toluene	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Toluene	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Toluene	05-SB-03-01	05-DS-01	73.0	ND	NC	NC	NC
Toluene	05-MW-03-02	05-DS-02	49.0 (J)	1600.0 (D)	824.5	1096.7	188
Toluene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Toluene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Toluene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Toluene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Toluene	07-MW-03-02	07-DS-01	35.0 (J)	1500.0	767.5	1035.9	191
Toluene	07-SS-01-01	07-DS-02	170.0	92.0 (J)	131	55.2	60
Toluene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Toluene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
Toluene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Toluene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Toluene	11-SS-01-01	11-DS-01	29.0 (J)	22.0 (J)	25.5	4.9	27
Tribromomethane(Bromoform)	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Tribromomethane(Bromoform)	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
Tribromomethane(Bromoform)	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Tribromomethane(Bromoform)	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Trichloroethene	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Trichloroethene	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Trichloroethene	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Trichloroethene	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Trichloroethene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Trichloroethene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Trichloroethene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Trichloroethene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Trichloroethene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Trichloroethene	06-SB-01-01	06-DS-02	5.7 (J)	ND	NC	NC	NC
Trichloroethene	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
Trichloroethene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Characterable ND = Not Detected ( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
Trichloroethene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Trichloroethene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Trichloroethene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Trichloroethene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Trichloroethene	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Vinyl acetate	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Vinyl acetate	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Vinyl acetate	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Vinyl acetate	04-SD-02-01	04-DS-01	6.6	6.6	NC	NC	NC
Vinyl acetate	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Vinyl acetate	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Vinyl acetate	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Vinyl acetate	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Vinyl acetate	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Vinyl acetate	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Vinyl acetate	07-MW-03-02	07-DS-01	1500.0	1500.0	NC	NC	NC
Vinyl acetate	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Vinyl acetate	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Vinyl acetate	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Vinyl acetate	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Vinyl acetate	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Vinyl acetate	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Vinyl chloride	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Vinyl chloride	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
Vinyl chloride	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Vinyl chloride	04-SD-02-01	04-DS-01	13.0	13.0	NC	NC	NC
Vinyl chloride	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Vinyl chloride	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Vinyl chloride	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Vinyl chloride	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Vinyl chloride	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Vinyl chloride	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-79

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
Vinyl chloride	07-MW-03-02	07-DS-01	ND	3100.0	NC	NC	NC
Vinyl chloride	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Vinyl chloride	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Vinyl chloride	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Vinyl chloride	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Vinyl chloride	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Vinyl chloride	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Xylenes	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
Xylenes	01-SS-07-01	01-DS-02	ND	89.0 (J)	NC	NC	NC
Xylenes	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
Xylenes	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
Xylenes	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Xylenes	05-MW-03-02	05-DS-02	43.0 (J)	1300.0	671.5	888.8	187
Xylenes	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Xylenes	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Xylenes	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Xylenes	06-SB-01-01	06-DS-02	ND	2.7 (J)	NC	NC	NC
Xylenes	07-MW-03-02	07-DS-01	3500.0	2600.0 (e)	3050	636.4	30
Xylenes	07-SS-01-01	07-DS-02	23000.0	17000.0	20000	4242.6	30
Xylenes	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Xylenes	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Xylenes	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Xylenes	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Xylenes	11-SS-01-01	11-DS-01	55.0 (J)	67.0 (JB)	61	8.5	20
cis-1,3-Dichloropropene	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
cis-1,3-Dichloropropene	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
cis-1,3-Dichloropropene	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
cis-1,3-Dichloropropene	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
cis-1,3-Dichloropropene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
cis-1,3-Dichloropropene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
cis-1,3-Dichloropropene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
cis-1,3-Dichloropropene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Detected ND = Not Detected ( ) = Footnote Character

A-3-80



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
cis-1,3-Dichloropropene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
cis-1,3-Dichloropropene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
cis-1,3-Dichloropropene	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
cis-1,3-Dichloropropene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
cis-1,3-Dichloropropene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
cis-1,3-Dichloropropene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
cis-1,3-Dichloropropene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
cis-1,3-Dichloropropene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
cis-1,3-Dichloropropene	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
trans-1,2-Dichloroethene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
trans-1,2-Dichloroethene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
trans-1,2-Dichloroethene	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	01-SD-01-01	01-DS-01	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	01-SS-07-01	01-DS-02	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	01-SD-02-01	01-DS-03	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	04-SD-02-01	04-DS-01	ND	6.6	NC	NC	NC
trans-1,3-Dichloropropene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-81

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Field Duplicate, cont.							
trans-1,3-Dichloropropene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	07-MW-03-02	07-DS-01	ND	1500.0	NC	NC	NC
trans-1,3-Dichloropropene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
trans-1,3-Dichloropropene	11-SS-01-01	11-DS-01	ND	ND	NC	NC	NC
Type = Laboratory Control							
1,1,1-Trichloroethane	LCS	LCS DUP	99.0	104.0	101.5	3.5	5
1,1,1-Trichloroethane	LCS	LCS DUP	89.0	94.0	91.5	3.5	5
1,1,1-Trichloroethane	LCS	LCS DUP	113.0	108.0	110.5	3.5	5
1,1,1-Trichloroethane	LCS	LCS DUP	119.0	116.0	117.5	2.1	3
1,1,1-Trichloroethane	LCS	LCS DUP	114.0	112.0	113	1.4	2
1,1,1-Trichloroethane	LCS	LCS DUP	93.0	95.0	94	1.4	2
1,1,1-Trichloroethane	LCS	LCS DUP	90.0	96.0	93	4.2	6
1,1,1-Trichloroethane	LCS	LCS DUP	94.0	98.0	96	2.8	4
1,1,1-Trichloroethane	LCS	LCS DUP	84.0	83.0	83.5	0.7	1
1,1,1-Trichloroethane	LCS	LCS DUP	98.0	94.0	96	2.8	4
1,1,1-Trichloroethane	LCS	LCS DUP	95.0	91.0	93	2.8	4
1,1,1-Trichloroethane	LCS	LCS DUP	90.0	100.0	95	7.1	11
1,1,1-Trichloroethane	LCS	LCS DUP	99.0	99.0	99	0.0	0
1,1,1-Trichloroethane	LCS	LCS DUP	90.0	85.0	87.5	3.5	6
1,1,1-Trichloroethane	LCS	LCS DUP	107.0	114.0	110.5	4.9	6
1,1,1-Trichloroethane	LCS	LCS DUP	91.0	101.0	96	7.1	10
1,1,1-Trichloroethane	LCS	LCS DUP	88.0	83.0	85.5	3.5	6
1,1,1-Trichloroethane	LCS	LCS DUP	90.0	84.0	87	4.2	7
1,1,1-Trichloroethane	LCS	LCS DUP	84.0	85.0	84.5	0.7	1

Compiled: 11 May 1994

NC = Not Confirmed    ND = Not Detected    ( ) = Footnote Character

A-3-82

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
1,1,1-Trichloroethane	LCS	LCS DUP	88.0	92.0	90	2.8	4
1,1,1-Trichloroethane	LCS	LCS DUP	83.0	85.0	84	1.4	2
1,1,1-Trichloroethane	LCS	LCS DUP	98.0	96.0	97	1.4	2
1,1,1-Trichloroethane	LCS	LCS DUP	91.0	98.0	94.5	4.9	7
1,1,1-Trichloroethane	LCS	LCS DUP	95.0	103.0	99	5.7	8
1,1,1-Trichloroethane	LCS	LCS DUP	85.0	102.0	93.5	12.0	18
1,1,1-Trichloroethane	LCS	LCS DUP	97.0	92.0	94.5	3.5	5
1,1,1-Trichloroethane	LCS	LCS DUP	88.0	87.0	87.5	0.7	1
1,1,1-Trichloroethane	LCS	LCS DUP	77.0	94.0	85.5	12.0	20
1,1,1-Trichloroethane	LCS	LCS DUP	83.0	83.0	83	0.0	0
1,1,1-Trichloroethane	LCS	LCS DUP	85.0	89.0	87	2.8	5
1,1,1-Trichloroethane	LCS	LCS DUP	100.0	100.0	100	0.0	0
1,1,1-Trichloroethane	LCS	LCS DUP	93.0	96.0	94.5	2.1	3
1,1,1-Trichloroethane	LCS	LCS DUP	89.0	84.0	86.5	3.5	6
1,1,1-Trichloroethane	LCS	LCS DUP	119.0	98.0	108.5	14.8	19
1,1,1-Trichloroethane	LCS	LCS DUP	85.0	88.0	86.5	2.1	3
1,1,1-Trichloroethane	LCS	LCS DUP	88.0	103.0	95.5	10.6	16
1,1,1-Trichloroethane	LCS	LCS DUP	102.0	106.0	104	2.8	4
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	109.0	108.0	108.5	0.7	1
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	109.0	104.0	106.5	3.5	5
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	106.0	105.0	105.5	0.7	1
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	118.0	128.0	123	7.1	8
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	105.0	97.0	101	5.7	8
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	109.0	112.0	110.5	2.1	3
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	101.0	90.0	95.5	7.8	12
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	108.0	108.0	108	0.0	0
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	116.0	112.0	114	2.8	4
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	85.0	86.0	85.5	0.7	1
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	104.0	101.0	102.5	2.1	3
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	93.0	109.0	101	11.3	16
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	99.0	113.0	106	9.9	13
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	108.0	99.0	103.5	6.4	9

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-83

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont. Type = Laboratory Control, cont.							
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	109.0	107.0	108	1.4	2
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	104.0	104.0	104	0.0	0
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	84.0	77.0	80.5	4.9	9
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	110.0	109.0	109.5	0.7	1
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	89.0	97.0	93	5.7	9
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	110.0	108.0	109	1.4	2
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	113.0	107.0	110	4.2	5
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	87.0	71.0	79	11.3	20
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	117.0	114.0	115.5	2.1	3
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	89.0	107.0	98	12.7	18
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	113.0	90.0	101.5	16.3	23
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	108.0	112.0	110	2.8	4
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	101.0	96.0	98.5	3.5	5
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	111.0	110.0	110.5	0.7	1
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	112.0	110.0	111	1.4	2
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	114.0	114.0	114	0.0	0
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	124.0	132.0	128	5.7	6
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	122.0	112.0	117	7.1	9
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	115.0	116.0	115.5	0.7	1
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	131.0	118.0	124.5	9.2	10
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	113.0	103.0	108	7.1	9
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	117.0	113.0	115	2.8	3
1,1,2,2-Tetrachloroethane	LCS	LCS DUP	109.0	104.0	106.5	3.5	5
1,1,2-Trichloroethane	LCS	LCS DUP	104.0	104.0	104	0.0	0
1,1,2-Trichloroethane	LCS	LCS DUP	105.0	98.0	101.5	4.9	7
1,1,2-Trichloroethane	LCS	LCS DUP	97.0	99.0	98	1.4	2
1,1,2-Trichloroethane	LCS	LCS DUP	107.0	117.0	112	7.1	9
1,1,2-Trichloroethane	LCS	LCS DUP	99.0	95.0	97	2.8	4
1,1,2-Trichloroethane	LCS	LCS DUP	96.0	100.0	98	2.8	4
1,1,2-Trichloroethane	LCS	LCS DUP	91.0	98.0	94.5	4.9	7
1,1,2-Trichloroethane	LCS	LCS DUP	95.0	99.0	97	2.8	4
1,1,2-Trichloroethane	LCS	LCS DUP	106.0	103.0	104.5	2.1	3

Compiled: 11 May 1994

NC = Not Confirmed    ND = Not Detected    ( ) = Footnote Character

A-3-84

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
1,1,2-Trichloroethane	LCS	LCS DUP	92.0	96.0	94	2.8	4
1,1,2-Trichloroethane	LCS	LCS DUP	103.0	104.0	103.5	0.7	1
1,1,2-Trichloroethane	LCS	LCS DUP	94.0	103.0	98.5	6.4	9
1,1,2-Trichloroethane	LCS	LCS DUP	88.0	83.0	85.5	3.5	6
1,1,2-Trichloroethane	LCS	LCS DUP	110.0	103.0	106.5	4.9	7
1,1,2-Trichloroethane	LCS	LCS DUP	113.0	112.0	112.5	0.7	1
1,1,2-Trichloroethane	LCS	LCS DUP	112.0	109.0	110.5	2.1	3
1,1,2-Trichloroethane	LCS	LCS DUP	107.0	96.0	101.5	7.8	11
1,1,2-Trichloroethane	LCS	LCS DUP	108.0	108.0	108	0.0	0
1,1,2-Trichloroethane	LCS	LCS DUP	96.0	99.0	97.5	2.1	3
1,1,2-Trichloroethane	LCS	LCS DUP	113.0	111.0	112	1.4	2
1,1,2-Trichloroethane	LCS	LCS DUP	109.0	106.0	107.5	2.1	3
1,1,2-Trichloroethane	LCS	LCS DUP	109.0	109.0	109	0.0	0
1,1,2-Trichloroethane	LCS	LCS DUP	114.0	107.0	110.5	4.9	6
1,1,2-Trichloroethane	LCS	LCS DUP	91.0	104.0	97.5	9.2	13
1,1,2-Trichloroethane	LCS	LCS DUP	111.0	100.0	105.5	7.8	10
1,1,2-Trichloroethane	LCS	LCS DUP	102.0	102.0	102	0.0	0
1,1,2-Trichloroethane	LCS	LCS DUP	97.0	93.0	95	2.8	4
1,1,2-Trichloroethane	LCS	LCS DUP	111.0	108.0	109.5	2.1	3
1,1,2-Trichloroethane	LCS	LCS DUP	106.0	101.0	103.5	3.5	5
1,1,2-Trichloroethane	LCS	LCS DUP	110.0	107.0	108.5	2.1	3
1,1,2-Trichloroethane	LCS	LCS DUP	112.0	120.0	116	5.7	7
1,1,2-Trichloroethane	LCS	LCS DUP	111.0	108.0	109.5	2.1	3
1,1,2-Trichloroethane	LCS	LCS DUP	106.0	108.0	107	1.4	2
1,1,2-Trichloroethane	LCS	LCS DUP	128.0	118.0	123	7.1	8
1,1,2-Trichloroethane	LCS	LCS DUP	104.0	102.0	103	1.4	2
1,1,2-Trichloroethane	LCS	LCS DUP	105.0	104.0	104.5	0.7	1
1,1,2-Trichloroethane	LCS	LCS DUP	111.0	113.0	112	1.4	2
1,1,2-Trichloroethane	LCS	LCS DUP	109.0	111.0	110	1.4	2
1,1-Dichloroethane	LCS	LCS DUP	115.0	114.0	114.5	0.7	1
1,1-Dichloroethane	LCS	LCS DUP	118.0	109.0	113.5	6.4	8
1,1-Dichloroethane	LCS	LCS DUP	128.0	118.0	123	7.1	8

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-85

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
1,1-Dichloroethane	LCS	LCS DUP	114.0	124.0	119	7.1	8
1,1-Dichloroethane	LCS	LCS DUP	114.0	115.0	114.5	0.7	1
1,1-Dichloroethane	LCS	LCS DUP	112.0	119.0	115.5	4.9	6
1,1-Dichloroethane	LCS	LCS DUP	113.0	115.0	114	1.4	2
1,1-Dichloroethane	LCS	LCS DUP	101.0	99.0	100	1.4	2
1,1-Dichloroethane	LCS	LCS DUP	98.0	98.0	98	0.0	0
1,1-Dichloroethane	LCS	LCS DUP	100.0	104.0	102	2.8	4
1,1-Dichloroethane	LCS	LCS DUP	97.0	100.0	98.5	2.1	3
1,1-Dichloroethane	LCS	LCS DUP	85.0	74.0	79.5	7.8	14
1,1-Dichloroethane	LCS	LCS DUP	99.0	98.0	98.5	0.7	1
1,1-Dichloroethane	LCS	LCS DUP	115.0	117.0	116	1.4	2
1,1-Dichloroethane	LCS	LCS DUP	115.0	101.0	108	9.9	13
1,1-Dichloroethane	LCS	LCS DUP	109.0	101.0	105	5.7	8
1,1-Dichloroethane	LCS	LCS DUP	100.0	111.0	105.5	7.8	10
1,1-Dichloroethane	LCS	LCS DUP	103.0	102.0	102.5	0.7	1
1,1-Dichloroethane	LCS	LCS DUP	100.0	106.0	103	4.2	6
1,1-Dichloroethane	LCS	LCS DUP	99.0	97.0	98	1.4	2
1,1-Dichloroethane	LCS	LCS DUP	106.0	97.0	101.5	6.4	9
1,1-Dichloroethane	LCS	LCS DUP	103.0	107.0	105	2.8	4
1,1-Dichloroethane	LCS	LCS DUP	100.0	106.0	103	4.2	6
1,1-Dichloroethane	LCS	LCS DUP	111.0	117.0	114	4.2	5
1,1-Dichloroethane	LCS	LCS DUP	101.0	100.0	100.5	0.7	1
1,1-Dichloroethane	LCS	LCS DUP	98.0	97.0	97.5	0.7	1
1,1-Dichloroethane	LCS	LCS DUP	103.0	112.0	107.5	6.4	8
1,1-Dichloroethane	LCS	LCS DUP	95.0	111.0	103	11.3	16
1,1-Dichloroethane	LCS	LCS DUP	106.0	110.0	108	2.8	4
1,1-Dichloroethane	LCS	LCS DUP	120.0	120.0	120	0.0	0
1,1-Dichloroethane	LCS	LCS DUP	110.0	110.0	110	0.0	0
1,1-Dichloroethane	LCS	LCS DUP	102.0	102.0	102	0.0	0
1,1-Dichloroethane	LCS	LCS DUP	113.0	107.0	110	4.2	5
1,1-Dichloroethane	LCS	LCS DUP	104.0	104.0	104	0.0	0
1,1-Dichloroethane	LCS	LCS DUP	115.0	105.0	110	7.1	9

Compiled: 11 May 1994

NC = Not available

ND = Not Detected

() = Footnote Character

A-3-86

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
1,1-Dichloroethane	LCS	LCS DUP	120.0	116.0	118	2.8	3
1,1-Dichloroethane	LCS	LCS DUP	122.0	124.0	123	1.4	2
1,1-Dichloroethane	LCS	LCS DUP	103.0	124.0	113.5	14.8	19
1,1-Dichloroethane	LCS	LCS DUP	104.0	102.0	103	1.4	2
1,1-Dichloroethane	LCS	LCS DUP	127.0	108.0	117.5	13.4	16
1,1-Dichloroethane	LCS	LCS DUP	111.0	120.0	115.5	6.4	8
1,1-Dichloroethane	LCS	LCS DUP	109.0	111.0	110	1.4	2
1,1-Dichloroethane	LCS	LCS DUP	106.0	108.0	107	1.4	2
1,1-Dichloroethane	LCS	LCS DUP	112.0	116.0	114	2.8	4
1,1-Dichloroethane	LCS	LCS DUP	100.0	96.0	98	2.8	4
1,1-Dichloroethane	LCS	LCS DUP	81.0	98.0	89.5	12.0	19
1,1-Dichloroethane	LCS	LCS DUP	89.0	84.0	86.5	3.5	6
1,1-Dichloroethane	LCS	LCS DUP	97.0	87.0	92	7.1	11
1,1-Dichloroethane	LCS	LCS DUP	75.0	68.0	71.5	4.9	10
1,1-Dichloroethane	LCS	LCS DUP	88.0	90.0	89	1.4	2
1,1-Dichloroethane	LCS	LCS DUP	118.0	118.0	118	0.0	0
1,1-Dichloroethane	LCS	LCS DUP	98.0	87.0	92.5	7.8	12
1,1-Dichloroethane	LCS	LCS DUP	102.0	90.0	96	8.5	13
1,1-Dichloroethane	LCS	LCS DUP	90.0	96.0	93	4.2	6
1,1-Dichloroethane	LCS	LCS DUP	104.0	109.0	106.5	3.5	5
1,1-Dichloroethane	LCS	LCS DUP	90.0	98.0	94	5.7	9
1,1-Dichloroethane	LCS	LCS DUP	90.0	95.0	92.5	3.5	5
1,1-Dichloroethane	LCS	LCS DUP	93.0	84.0	88.5	6.4	10
1,1-Dichloroethane	LCS	LCS DUP	105.0	111.0	108	4.2	6
1,1-Dichloroethane	LCS	LCS DUP	96.0	101.0	98.5	3.5	5
1,1-Dichloroethane	LCS	LCS DUP	104.0	108.0	106	2.8	4
1,1-Dichloroethane	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
1,1-Dichloroethane	LCS	LCS DUP	93.0	93.0	93	0.0	0
1,1-Dichloroethane	LCS	LCS DUP	79.0	84.0	81.5	3.5	6
1,1-Dichloroethane	LCS	LCS DUP	83.0	85.0	84	1.4	2
1,1-Dichloroethane	LCS	LCS DUP	106.0	97.0	101.5	6.4	9
1,1-Dichloroethane	LCS	LCS DUP	118.0	105.0	111.5	9.2	12

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
1,1-Dichloroethene	LCS	LCS DUP	107.0	109.0	108	1.4	2
1,1-Dichloroethene	LCS	LCS DUP	114.0	104.0	109	7.1	9
1,1-Dichloroethene	LCS	LCS DUP	109.0	123.0	116	9.9	12
1,1-Dichloroethene	LCS	LCS DUP	87.0	87.0	87	0.0	0
1,1-Dichloroethene	LCS	LCS DUP	103.0	86.0	94.5	12.0	18
1,1-Dichloroethene	LCS	LCS DUP	98.0	104.0	101	4.2	6
1,2-Dichloroethene	LCS	LCS DUP	113.0	116.0	114.5	2.1	3
1,2-Dichloroethene	LCS	LCS DUP	103.0	102.0	102.5	0.7	1
1,2-Dichloroethene	LCS	LCS DUP	115.0	110.0	112.5	3.5	4
1,2-Dichloroethene	LCS	LCS DUP	122.0	107.0	114.5	10.6	13
1,2-Dichloroethene	LCS	LCS DUP	102.0	106.0	104	2.8	4
1,2-Dichloroethene	LCS	LCS DUP	110.0	112.0	111	1.4	2
1,2-Dichloroethene	LCS	LCS DUP	104.0	110.0	107	4.2	6
1,2-Dichloroethene	LCS	LCS DUP	103.0	107.0	105	2.8	4
1,2-Dichloroethene	LCS	LCS DUP	99.0	97.0	98	1.4	2
1,2-Dichloroethene	LCS	LCS DUP	107.0	111.0	109	2.8	4
1,2-Dichloroethene	LCS	LCS DUP	105.0	98.0	101.5	4.9	7
1,2-Dichloroethene	LCS	LCS DUP	96.0	90.0	93	4.2	6
1,2-Dichloroethene	LCS	LCS DUP	103.0	89.0	96	9.9	15
1,2-Dichloroethene	LCS	LCS DUP	96.0	94.0	95	1.4	2
1,2-Dichloroethene	LCS	LCS DUP	107.0	114.0	110.5	4.9	6
1,2-Dichloroethene	LCS	LCS DUP	102.0	98.0	100	2.8	4
1,2-Dichloroethene	LCS	LCS DUP	97.0	91.0	94	4.2	6
1,2-Dichloroethene	LCS	LCS DUP	94.0	101.0	97.5	4.9	7
1,2-Dichloroethene	LCS	LCS DUP	84.0	85.0	84.5	0.7	1
1,2-Dichloroethene	LCS	LCS DUP	94.0	96.0	95	1.4	2
1,2-Dichloroethene	LCS	LCS DUP	93.0	93.0	93	0.0	0
1,2-Dichloroethene	LCS	LCS DUP	108.0	104.0	106	2.8	4
1,2-Dichloroethene	LCS	LCS DUP	120.0	108.0	114	8.5	11
1,2-Dichloroethene	LCS	LCS DUP	100.0	111.0	105.5	7.8	10
1,2-Dichloroethene	LCS	LCS DUP	105.0	113.0	109	5.7	7
1,2-Dichloroethene	LCS	LCS DUP	102.0	103.0	102.5	0.7	1

Compiled: 11 May 1994

NC = Not C... able ND = Not Detected ( ) = Footnote Character

A-3-88



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
1,2-Dichloroethane	LCS	LCS DUP	97.0	97.0	97	0.0	0
1,2-Dichloroethane	LCS	LCS DUP	101.0	105.0	103	2.8	4
1,2-Dichloroethane	LCS	LCS DUP	103.0	96.0	99.5	4.9	7
1,2-Dichloroethane	LCS	LCS DUP	104.0	105.0	104.5	0.7	1
1,2-Dichloroethane	LCS	LCS DUP	120.0	125.0	122.5	3.5	4
1,2-Dichloroethane	LCS	LCS DUP	109.0	111.0	110	1.4	2
1,2-Dichloroethane	LCS	LCS DUP	101.0	100.0	100.5	0.7	1
1,2-Dichloroethane	LCS	LCS DUP	131.0	121.0	126	7.1	8
1,2-Dichloroethane	LCS	LCS DUP	98.0	96.0	97	1.4	2
1,2-Dichloroethane	LCS	LCS DUP	92.0	92.0	92	0.0	0
1,2-Dichloroethane	LCS	LCS DUP	101.0	101.0	101	0.0	0
1,2-Dichloropropane	LCS	LCS DUP	101.0	104.0	102.5	2.1	3
1,2-Dichloropropane	LCS	LCS DUP	106.0	95.0	100.5	7.8	11
1,2-Dichloropropane	LCS	LCS DUP	96.0	94.0	95	1.4	2
1,2-Dichloropropane	LCS	LCS DUP	110.0	116.0	113	4.2	5
1,2-Dichloropropane	LCS	LCS DUP	101.0	103.0	102	1.4	2
1,2-Dichloropropane	LCS	LCS DUP	95.0	97.0	96	1.4	2
1,2-Dichloropropane	LCS	LCS DUP	95.0	100.0	97.5	3.5	5
1,2-Dichloropropane	LCS	LCS DUP	98.0	101.0	99.5	2.1	3
1,2-Dichloropropane	LCS	LCS DUP	111.0	110.0	110.5	0.7	1
1,2-Dichloropropane	LCS	LCS DUP	77.0	86.0	81.5	6.4	11
1,2-Dichloropropane	LCS	LCS DUP	95.0	101.0	98	4.2	6
1,2-Dichloropropane	LCS	LCS DUP	99.0	96.0	97.5	2.1	3
1,2-Dichloropropane	LCS	LCS DUP	71.0	69.0	70	1.4	3
1,2-Dichloropropane	LCS	LCS DUP	113.0	109.0	111	2.8	4
1,2-Dichloropropane	LCS	LCS DUP	109.0	106.0	107.5	2.1	3
1,2-Dichloropropane	LCS	LCS DUP	105.0	104.0	104.5	0.7	1
1,2-Dichloropropane	LCS	LCS DUP	97.0	90.0	93.5	4.9	7
1,2-Dichloropropane	LCS	LCS DUP	106.0	96.0	101	7.1	10
1,2-Dichloropropane	LCS	LCS DUP	88.0	95.0	91.5	4.9	8
1,2-Dichloropropane	LCS	LCS DUP	104.0	104.0	104	0.0	0
1,2-Dichloropropane	LCS	LCS DUP	104.0	99.0	101.5	3.5	5

Method = SW8240, cont.  
Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
1,2-Dichloropropane	LCS	LCS DUP	107.0	98.0	102.5	6.4	9
1,2-Dichloropropane	LCS	LCS DUP	90.0	92.0	91	1.4	2
1,2-Dichloropropane	LCS	LCS DUP	90.0	94.0	92	2.8	4
1,2-Dichloropropane	LCS	LCS DUP	103.0	104.0	103.5	0.7	1
1,2-Dichloropropane	LCS	LCS DUP	94.0	90.0	92	2.8	4
1,2-Dichloropropane	LCS	LCS DUP	91.0	86.0	88.5	3.5	6
1,2-Dichloropropane	LCS	LCS DUP	102.0	97.0	99.5	3.5	5
1,2-Dichloropropane	LCS	LCS DUP	90.0	106.0	98	11.3	16
1,2-Dichloropropane	LCS	LCS DUP	101.0	103.0	102	1.4	2
1,2-Dichloropropane	LCS	LCS DUP	113.0	122.0	117.5	6.4	8
1,2-Dichloropropane	LCS	LCS DUP	99.0	94.0	96.5	3.5	5
1,2-Dichloropropane	LCS	LCS DUP	113.0	106.0	109.5	4.9	6
1,2-Dichloropropane	LCS	LCS DUP	116.0	114.0	115	1.4	2
1,2-Dichloropropane	LCS	LCS DUP	106.0	113.0	109.5	4.9	6
1,2-Dichloropropane	LCS	LCS DUP	113.0	109.0	111	2.8	4
1,2-Dichloropropane	LCS	LCS DUP	99.0	96.0	97.5	2.1	3
2-Chloroethyl vinyl ether	LCS	LCS DUP	270.0	272.0	271	1.4	1
2-Chloroethyl vinyl ether	LCS	LCS DUP	274.0	247.0	260.5	19.1	10
2-Chloroethyl vinyl ether	LCS	LCS DUP	136.0	136.0	136	0.0	0
2-Chloroethyl vinyl ether	LCS	LCS DUP	647.0	665.0 (Q)	656	12.7	3
2-Chloroethyl vinyl ether	LCS	LCS DUP	283.0	261.0	272	15.6	8
2-Chloroethyl vinyl ether	LCS	LCS DUP	218.0	231.0	224.5	9.2	6
2-Chloroethyl vinyl ether	LCS	LCS DUP	96.0	92.0	94	2.8	4
2-Chloroethyl vinyl ether	LCS	LCS DUP	107.0	112.0	109.5	3.5	5
2-Chloroethyl vinyl ether	LCS	LCS DUP	115.0	126.0	120.5	7.8	9
2-Chloroethyl vinyl ether	LCS	LCS DUP	164.0	209.0	186.5	31.8	24
2-Chloroethyl vinyl ether	LCS	LCS DUP	216.0	212.0	214	2.8	2
2-Chloroethyl vinyl ether	LCS	LCS DUP	206.0	211.0	208.5	3.5	2
2-Chloroethyl vinyl ether	LCS	LCS DUP	173.0	163.0	168	7.1	6
2-Chloroethyl vinyl ether	LCS	LCS DUP	251.0	235.0	243	11.3	7
2-Chloroethyl vinyl ether	LCS	LCS DUP	253.0	244.0	248.5	6.4	4
2-Chloroethyl vinyl ether	LCS	LCS DUP	229.0	221.0	225	5.7	4

Compiled: 11 May 1994

NC = Not Cachable

ND = Not Detected

() = Footnote Character

A-3-90

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
2-Chloroethyl vinyl ether	LCS	LCS DUP	305.0	274.0	289.5	21.9	11
2-Chloroethyl vinyl ether	LCS	LCS DUP	251.0	214.0	232.5	26.2	16
2-Chloroethyl vinyl ether	LCS	LCS DUP	305.0	313.0 (Q)	309	5.7	3
2-Chloroethyl vinyl ether	LCS	LCS DUP	236.0	228.0	232	5.7	3
2-Chloroethyl vinyl ether	LCS	LCS DUP	225.0	220.0	222.5	3.5	2
2-Chloroethyl vinyl ether	LCS	LCS DUP	176.0	119.0	147.5	40.3	39
2-Chloroethyl vinyl ether	LCS	LCS DUP	239.0	237.0	238	1.4	1
2-Chloroethyl vinyl ether	LCS	LCS DUP	176.0	219.0	197.5	30.4	22
2-Chloroethyl vinyl ether	LCS	LCS DUP	248.0	199.0	223.5	34.6	22
2-Chloroethyl vinyl ether	LCS	LCS DUP	212.0	212.0	212	0.0	0
2-Chloroethyl vinyl ether	LCS	LCS DUP	200.0	192.0	196	5.7	4
2-Chloroethyl vinyl ether	LCS	LCS DUP	236.0	235.0	235.5	0.7	0
2-Chloroethyl vinyl ether	LCS	LCS DUP	238.0	220.0	229	12.7	8
2-Chloroethyl vinyl ether	LCS	LCS DUP	119.0	125.0	122	4.2	5
2-Chloroethyl vinyl ether	LCS	LCS DUP	124.0	125.0	124.5	0.7	1
2-Chloroethyl vinyl ether	LCS	LCS DUP	120.0	111.0	115.5	6.4	8
2-Chloroethyl vinyl ether	LCS	LCS DUP	118.0	113.0	115.5	3.5	4
2-Chloroethyl vinyl ether	LCS	LCS DUP	120.0	116.0	118	2.8	3
2-Chloroethyl vinyl ether	LCS	LCS DUP	114.0	120.0	117	4.2	5
2-Chloroethyl vinyl ether	LCS	LCS DUP	116.0	118.0	117	1.4	2
2-Chloroethyl vinyl ether	LCS	LCS DUP	238.0	227.0	232.5	7.8	5
2-Chloroethyl vinyl ether	LCS	LCS DUP	125.0	116.0	120.5	6.4	7
2-Hexanone	LCS	LCS DUP	110.0	106.0	108	2.8	4
2-Hexanone	LCS	LCS DUP	66.0	64.0	65	1.4	3
2-Hexanone	LCS	LCS DUP	80.0	94.0	87	9.9	16
2-Hexanone	LCS	LCS DUP	79.0	71.0	75	5.7	11
2-Hexanone	LCS	LCS DUP	101.0	113.0	107	8.5	11
2-Hexanone	LCS	LCS DUP	87.0	61.0	74	18.4	35
2-Hexanone	LCS	LCS DUP	101.0	105.0	103	2.8	4
2-Hexanone	LCS	LCS DUP	93.0	88.0	90.5	3.5	6
2-Hexanone	LCS	LCS DUP	91.0	97.0	94	4.2	6
2-Hexanone	LCS	LCS DUP	63.0	64.0	63.5	0.7	2

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
2-Hexanone	LCS	LCS DUP	54.0	75.0	64.5	14.8	33
2-Hexanone	LCS	LCS DUP	75.0	80.0	77.5	3.5	6
2-Hexanone	LCS	LCS DUP	84.0	67.0	75.5	12.0	23
2-Hexanone	LCS	LCS DUP	69.0	67.0	68	1.4	3
2-Hexanone	LCS	LCS DUP	68.0	67.0	67.5	0.7	1
2-Hexanone	LCS	LCS DUP	60.0	55.0	57.5	3.5	9
2-Hexanone	LCS	LCS DUP	64.0	62.0	63	1.4	3
2-Hexanone	LCS	LCS DUP	63.0	62.0	62.5	0.7	2
2-Hexanone	LCS	LCS DUP	68.0	71.0	69.5	2.1	4
2-Hexanone	LCS	LCS DUP	68.0	63.0	65.5	3.5	8
2-Hexanone	LCS	LCS DUP	56.0	59.0	57.5	2.1	5
2-Hexanone	LCS	LCS DUP	87.0	86.0	86.5	0.7	1
2-Hexanone	LCS	LCS DUP	61.0	96.0	78.5	24.7	45
2-Hexanone	LCS	LCS DUP	84.0	45.0	64.5	27.6	60
2-Hexanone	LCS	LCS DUP	90.0	94.0	92	2.8	4
2-Hexanone	LCS	LCS DUP	78.0	72.0	75	4.2	8
2-Hexanone	LCS	LCS DUP	89.0	85.0	87	2.8	5
2-Hexanone	LCS	LCS DUP	82.0	79.0	80.5	2.1	4
2-Hexanone	LCS	LCS DUP	80.0	87.0	83.5	4.9	8
2-Hexanone	LCS	LCS DUP	95.0	102.0	98.5	4.9	7
2-Hexanone	LCS	LCS DUP	96.0	89.0	92.5	4.9	8
2-Hexanone	LCS	LCS DUP	75.0	82.0	78.5	4.9	9
2-Hexanone	LCS	LCS DUP	97.0	89.0	93	5.7	9
2-Hexanone	LCS	LCS DUP	73.0	80.0	76.5	4.9	9
2-Hexanone	LCS	LCS DUP	98.0	97.0	97.5	0.7	1
2-Hexanone	LCS	LCS DUP	84.0	88.0	86	2.8	5
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	104.0	103.0	103.5	0.7	1
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	102.0	92.0	97	7.1	10
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	111.0	124.0	117.5	9.2	11
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	111.0	96.0	103.5	10.6	14
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	110.0	122.0	116	8.5	10

Compiled: 11 May 1994

NC = Not Confirmed      ND = Not Detected      ( ) = Footnote Character

A-3-92

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	98.0	74.0	86	17.0	28
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	113.0	116.0	114.5	2.1	3
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	122.0	117.0	119.5	3.5	4
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	91.0	104.0	97.5	9.2	13
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	76.0	74.0	75	1.4	3
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	68.0	87.0	77.5	13.4	25
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	82.0	85.0	83.5	2.1	4
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	94.0	80.0	87	9.9	16
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	89.0	86.0	87.5	2.1	3
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	77.0	78.0	77.5	0.7	1
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	91.0	86.0	88.5	3.5	6
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	81.0	81.0	81	0.0	0
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	88.0	84.0	86	2.8	5
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	81.0	83.0	82	1.4	2
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	76.0	76.0	76	0.0	0
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	55.0	52.0	53.5	2.1	6
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	98.0	94.0	96	2.8	4
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	75.0	110.0	92.5	24.7	38
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	94.0	58.0	76	25.5	47
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	106.0	109.0	107.5	2.1	3
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	91.0	83.0	87	5.7	9
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	94.0	87.0	90.5	4.9	8
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	92.0	83.0	87.5	6.4	10
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	84.0	92.0	88	5.7	9
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	97.0	101.0	99	2.8	4
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	93.0	86.0	89.5	4.9	8
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	82.0	87.0	84.5	3.5	6
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	88.0	78.0	83	7.1	12
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	76.0	84.0	80	5.7	10
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	87.0	89.0	88	1.4	2
4-Methyl-2-pentanone(MIBK)	LCS	LCS DUP	106.0	105.0	105.5	0.7	1
Acetone	LCS	LCS DUP	139.0	132.0	135.5	4.9	5

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-93

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Acetone	LCS	LCS DUP	93.0	89.0	91	2.8	4
Acetone	LCS	LCS DUP	137.0	134.0	135.5	2.1	2
Acetone	LCS	LCS DUP	151.0	146.0	148.5	3.5	3
Acetone	LCS	LCS DUP	119.0	111.0	115	5.7	7
Acetone	LCS	LCS DUP	107.0	124.0	115.5	12.0	15
Acetone	LCS	LCS DUP	92.0	67.0	79.5	17.7	31
Acetone	LCS	LCS DUP	112.0	113.0	112.5	0.7	1
Acetone	LCS	LCS DUP	143.0	136.0	139.5	4.9	5
Acetone	LCS	LCS DUP	101.0	93.0	97	5.7	8
Acetone	LCS	LCS DUP	102.0	100.0	101	1.4	2
Acetone	LCS	LCS DUP	101.0	130.0	115.5	20.5	25
Acetone	LCS	LCS DUP	88.0	86.0	87	1.4	2
Acetone	LCS	LCS DUP	90.0	88.0	89	1.4	2
Acetone	LCS	LCS DUP	119.0	102.0	110.5	12.0	15
Acetone	LCS	LCS DUP	93.0	91.0	92	1.4	2
Acetone	LCS	LCS DUP	100.0	96.0	98	2.8	4
Acetone	LCS	LCS DUP	81.0	111.0	96	21.2	31
Acetone	LCS	LCS DUP	153.0	143.0	148	7.1	7
Acetone	LCS	LCS DUP	82.0	91.0	86.5	6.4	10
Acetone	LCS	LCS DUP	89.0	92.0	90.5	2.1	3
Acetone	LCS	LCS DUP	136.0	110.0	123	18.4	21
Acetone	LCS	LCS DUP	131.0	137.0	134	4.2	4
Acetone	LCS	LCS DUP	71.0	112.0	91.5	29.0	45
Acetone	LCS	LCS DUP	106.0	89.0	97.5	12.0	17
Acetone	LCS	LCS DUP	110.0	125.0	117.5	10.6	13
Acetone	LCS	LCS DUP	105.0	108.0	106.5	2.1	3
Acetone	LCS	LCS DUP	96.0	110.0	103	9.9	14
Acetone	LCS	LCS DUP	110.0	118.0	114	5.7	7
Acetone	LCS	LCS DUP	106.0	100.0	103	4.2	6
Acetone	LCS	LCS DUP	128.0	117.0	122.5	7.8	9
Acetone	LCS	LCS DUP	134.0	143.0	138.5	6.4	6
Acetone	LCS	LCS DUP	96.0	78.0	87	12.7	21

Method = SW8240, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

( ) = Footnote Character

A-3-94

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Acetone	LCS	LCS DUP	109.0	113.0	111	2.8	4
Acetone	LCS	LCS DUP	69.0	78.0	73.5	6.4	12
Acetone	LCS	LCS DUP	75.0	85.0	80	7.1	13
Acetone	LCS	LCS DUP	105.0	120.0	112.5	10.6	13
Benzene	LCS	LCS DUP	104.0	102.0	103	1.4	2
Benzene	LCS	LCS DUP	104.0	93.0	98.5	7.8	11
Benzene	LCS	LCS DUP	101.0	99.0	100	1.4	2
Benzene	LCS	LCS DUP	110.0	112.0	111	1.4	2
Benzene	LCS	LCS DUP	102.0	102.0	102	0.0	0
Benzene	LCS	LCS DUP	97.0	100.0	98.5	2.1	3
Benzene	LCS	LCS DUP	98.0	102.0	100	2.8	4
Benzene	LCS	LCS DUP	100.0	129.0	114.5	20.5	25
Benzene	LCS	LCS DUP	103.0	105.0	104	1.4	2
Benzene	LCS	LCS DUP	97.0	101.0	99	2.8	4
Benzene	LCS	LCS DUP	96.0	97.0	96.5	0.7	1
Benzene	LCS	LCS DUP	91.0	93.0	92	1.4	2
Benzene	LCS	LCS DUP	79.0	75.0	77	2.8	5
Benzene	LCS	LCS DUP	98.0	98.0	98	0.0	0
Benzene	LCS	LCS DUP	111.0	106.0	108.5	3.5	5
Benzene	LCS	LCS DUP	98.0	99.0	98.5	0.7	1
Benzene	LCS	LCS DUP	102.0	94.0	98	5.7	8
Benzene	LCS	LCS DUP	102.0	100.0	101	1.4	2
Benzene	LCS	LCS DUP	92.0	94.0	93	1.4	2
Benzene	LCS	LCS DUP	100.0	96.0	98	2.8	4
Benzene	LCS	LCS DUP	92.0	92.0	92	0.0	0
Benzene	LCS	LCS DUP	98.0	97.0	97.5	0.7	1
Benzene	LCS	LCS DUP	107.0	107.0	107	0.0	0
Benzene	LCS	LCS DUP	93.0	98.0	95.5	3.5	5
Benzene	LCS	LCS DUP	105.0	105.0	105	0.0	0
Benzene	LCS	LCS DUP	97.0	95.0	96	1.4	2
Benzene	LCS	LCS DUP	96.0	92.0	94	2.8	4
Benzene	LCS	LCS DUP	98.0	98.0	98	0.0	0

Method = SW8240, cont.  
Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-95

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Benzene	LCS	LCS DUP	98.0	98.0	98	0.0	0
Benzene	LCS	LCS DUP	100.0	102.0	101	1.4	2
Benzene	LCS	LCS DUP	105.0	105.0	105	0.0	0
Benzene	LCS	LCS DUP	98.0	98.0	98	0.0	0
Benzene	LCS	LCS DUP	103.0	108.0	105.5	3.5	5
Benzene	LCS	LCS DUP	100.0	100.0	100	0.0	0
Benzene	LCS	LCS DUP	97.0	100.0	98.5	2.1	3
Benzene	LCS	LCS DUP	101.0	98.0	99.5	2.1	3
Benzene	LCS	LCS DUP	108.0	109.0	108.5	0.7	1
Benzene	LCS	LCS DUP	107.0	108.0	107.5	0.7	1
Bromodichloromethane	LCS	LCS DUP	97.0	90.0	93.5	4.9	7
Bromodichloromethane	LCS	LCS DUP	111.0	108.0	109.5	2.1	3
Bromodichloromethane	LCS	LCS DUP	119.0	119.0	119	0.0	0
Bromodichloromethane	LCS	LCS DUP	106.0	101.0	103.5	3.5	5
Bromodichloromethane	LCS	LCS DUP	102.0	104.0	103	1.4	2
Bromodichloromethane	LCS	LCS DUP	99.0	105.0	102	4.2	6
Bromodichloromethane	LCS	LCS DUP	100.0	105.0	102.5	3.5	5
Bromodichloromethane	LCS	LCS DUP	104.0	106.0	105	1.4	2
Bromodichloromethane	LCS	LCS DUP	72.0	80.0	76	5.7	11
Bromodichloromethane	LCS	LCS DUP	113.0	115.0	114	1.4	2
Bromodichloromethane	LCS	LCS DUP	110.0	112.0	111	1.4	2
Bromodichloromethane	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Bromodichloromethane	LCS	LCS DUP	120.0	113.0	116.5	4.9	6
Bromodichloromethane	LCS	LCS DUP	124.0	123.0	123.5	0.7	1
Bromodichloromethane	LCS	LCS DUP	119.0	114.0	116.5	3.5	4
Bromodichloromethane	LCS	LCS DUP	100.0	94.0	97	4.2	6
Bromodichloromethane	LCS	LCS DUP	121.0	108.0	114.5	9.2	11
Bromodichloromethane	LCS	LCS DUP	92.0	95.0	93.5	2.1	3
Bromodichloromethane	LCS	LCS DUP	119.0	117.0	118	1.4	2
Bromodichloromethane	LCS	LCS DUP	113.0	114.0	113.5	0.7	1
Bromodichloromethane	LCS	LCS DUP	122.0	118.0	120	2.8	3
Bromodichloromethane	LCS	LCS DUP	114.0	114.0	114	0.0	0

Compiled: 11 May 1994

NC = Not Confirmed      ND = Not Detected      ( ) = Footnote Character

A-3-96



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Bromodichloromethane	LCS	LCS DUP	100.0	111.0	105.5	7.8	10
Bromodichloromethane	LCS	LCS DUP	117.0	115.0	116	1.4	2
Bromodichloromethane	LCS	LCS DUP	104.0	100.0	102	2.8	4
Bromodichloromethane	LCS	LCS DUP	99.0	96.0	97.5	2.1	3
Bromodichloromethane	LCS	LCS DUP	110.0	108.0	109	1.4	2
Bromodichloromethane	LCS	LCS DUP	110.0	108.0	109	1.4	2
Bromodichloromethane	LCS	LCS DUP	116.0	117.0	116.5	0.7	1
Bromodichloromethane	LCS	LCS DUP	118.0	123.0	120.5	3.5	4
Bromodichloromethane	LCS	LCS DUP	111.0	107.0	109	2.8	4
Bromodichloromethane	LCS	LCS DUP	116.0	114.0	115	1.4	2
Bromodichloromethane	LCS	LCS DUP	145.0	141.0	143	2.8	3
Bromodichloromethane	LCS	LCS DUP	116.0	112.0	114	2.8	4
Bromodichloromethane	LCS	LCS DUP	116.0	114.0	115	1.4	2
Bromodichloromethane	LCS	LCS DUP	113.0	115.0	114	1.4	2
Bromomethane	LCS	LCS DUP	82.0	88.0	85	4.2	7
Bromomethane	LCS	LCS DUP	69.0	69.0	69	0.0	0
Bromomethane	LCS	LCS DUP	48.0	48.0	48	0.0	0
Bromomethane	LCS	LCS DUP	54.0	49.0	51.5	3.5	10
Bromomethane	LCS	LCS DUP	56.0	61.0	58.5	3.5	9
Bromomethane	LCS	LCS DUP	46.0	46.0	46	0.0	0
Bromomethane	LCS	LCS DUP	53.0	55.0	54	1.4	4
Bromomethane	LCS	LCS DUP	60.0	63.0	61.5	2.1	5
Bromomethane	LCS	LCS DUP	53.0	46.0	49.5	4.9	14
Bromomethane	LCS	LCS DUP	53.0	53.0	53	0.0	0
Bromomethane	LCS	LCS DUP	71.0	64.0	67.5	4.9	10
Bromomethane	LCS	LCS DUP	72.0	67.0	69.5	3.5	7
Bromomethane	LCS	LCS DUP	57.0	46.0	51.5	7.8	21
Bromomethane	LCS	LCS DUP	64.0	65.0	64.5	0.7	2
Bromomethane	LCS	LCS DUP	87.0	86.0	86.5	0.7	1
Bromomethane	LCS	LCS DUP	63.0	71.0	67	5.7	12
Bromomethane	LCS	LCS DUP	64.0	49.0	56.5	10.6	27
Bromomethane	LCS	LCS DUP	57.0	71.0	64	9.9	22

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-97

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Bromomethane	LCS	LCS DUP	56.0	61.0	58.5	3.5	9
Bromomethane	LCS	LCS DUP	60.0	65.0	62.5	3.5	8
Bromomethane	LCS	LCS DUP	60.0	69.0	64.5	6.4	14
Bromomethane	LCS	LCS DUP	45.0	57.0	51	8.5	24
Bromomethane	LCS	LCS DUP	78.0	69.0	73.5	6.4	12
Bromomethane	LCS	LCS DUP	43.0	48.0	45.5	3.5	11
Bromomethane	LCS	LCS DUP	66.0	64.0	65	1.4	3
Bromomethane	LCS	LCS DUP	43.0	44.0	43.5	0.7	2
Bromomethane	LCS	LCS DUP	49.0	50.0	49.5	0.7	2
Bromomethane	LCS	LCS DUP	58.0	63.0	60.5	3.5	8
Bromomethane	LCS	LCS DUP	52.0	59.0	55.5	4.9	13
Bromomethane	LCS	LCS DUP	73.0	76.0	74.5	2.1	4
Bromomethane	LCS	LCS DUP	83.0	88.0	85.5	3.5	6
Bromomethane	LCS	LCS DUP	61.0	61.0	61	0.0	0
Bromomethane	LCS	LCS DUP	71.0	68.0	69.5	2.1	4
Bromomethane	LCS	LCS DUP	89.0	60.0	74.5	20.5	39
Bromomethane	LCS	LCS DUP	73.0	63.0	68	7.1	15
Bromomethane	LCS	LCS DUP	68.0	63.0	65.5	3.5	8
Bromomethane	LCS	LCS DUP	68.0	68.0	68	0.0	0
Carbon disulfide	LCS	LCS DUP	119.0	110.0	114.5	6.4	8
Carbon disulfide	LCS	LCS DUP	111.0	110.0	110.5	0.7	1
Carbon disulfide	LCS	LCS DUP	133.0	134.0	133.5	0.7	1
Carbon disulfide	LCS	LCS DUP	77.0	117.0	97	28.3	41
Carbon disulfide	LCS	LCS DUP	71.0	100.0	85.5	20.5	34
Carbon disulfide	LCS	LCS DUP	110.0	108.0	109	1.4	2
Carbon disulfide	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Carbon disulfide	LCS	LCS DUP	108.0	112.0	110	2.8	4
Carbon disulfide	LCS	LCS DUP	83.0	81.0	82	1.4	2
Carbon disulfide	LCS	LCS DUP	108.0	100.0	104	5.7	8
Carbon disulfide	LCS	LCS DUP	131.0	151.0	141	14.1	14
Carbon disulfide	LCS	LCS DUP	94.0	113.0	103.5	13.4	18
Carbon disulfide	LCS	LCS DUP	72.0	65.0	68.5	4.9	10

Compiled: 11 May 1994

NC = Not Cachable ND = Not Detected ( ) = Footnote Character

A-3-98

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Carbon disulfide	LCS	LCS DUP	138.0	122.0	130	11.3	12
Carbon disulfide	LCS	LCS DUP	81.0	92.0	86.5	7.8	13
Carbon disulfide	LCS	LCS DUP	118.0	122.0	120	2.8	3
Carbon disulfide	LCS	LCS DUP	42.0	40.0	41	1.4	5
Carbon disulfide	LCS	LCS DUP	109.0	121.0	115	8.5	10
Carbon disulfide	LCS	LCS DUP	53.0	94.0	73.5	29.0	56
Carbon disulfide	LCS	LCS DUP	99.0	102.0	100.5	2.1	3
Carbon disulfide	LCS	LCS DUP	114.0	146.0	130	22.6	25
Carbon disulfide	LCS	LCS DUP	87.0	80.0	83.5	4.9	8
Carbon disulfide	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
Carbon disulfide	LCS	LCS DUP	101.0	101.0	101	0.0	0
Carbon disulfide	LCS	LCS DUP	84.0	114.0	99	21.2	30
Carbon disulfide	LCS	LCS DUP	96.0	94.0	95	1.4	2
Carbon disulfide	LCS	LCS DUP	92.0	99.0	95.5	4.9	7
Carbon disulfide	LCS	LCS DUP	76.0	83.0	79.5	4.9	9
Carbon disulfide	LCS	LCS DUP	97.0	114.0	105.5	12.0	16
Carbon disulfide	LCS	LCS DUP	100.0	113.0	106.5	9.2	12
Carbon disulfide	LCS	LCS DUP	80.0	65.0	72.5	10.6	21
Carbon disulfide	LCS	LCS DUP	83.0	68.0	75.5	10.6	20
Carbon disulfide	LCS	LCS DUP	103.0	86.0	94.5	12.0	18
Carbon disulfide	LCS	LCS DUP	89.0	146.0	117.5	40.3	49
Carbon disulfide	LCS	LCS DUP	119.0	114.0	116.5	3.5	4
Carbon disulfide	LCS	LCS DUP	93.0	83.0	88	7.1	11
Carbon disulfide	LCS	LCS DUP	154.0	155.0	154.5	0.7	1
Carbon tetrachloride	LCS	LCS DUP	113.0	103.0	108	7.1	9
Carbon tetrachloride	LCS	LCS DUP	80.0	86.0	83	4.2	7
Carbon tetrachloride	LCS	LCS DUP	114.0	108.0	111	4.2	5
Carbon tetrachloride	LCS	LCS DUP	117.0	102.0	109.5	10.6	14
Carbon tetrachloride	LCS	LCS DUP	104.0	112.0	108	5.7	7
Carbon tetrachloride	LCS	LCS DUP	92.0	94.0	93	1.4	2
Carbon tetrachloride	LCS	LCS DUP	90.0	92.0	91	1.4	2
Carbon tetrachloride	LCS	LCS DUP	91.0	95.0	93	2.8	4

Method = SW8240, cont.  
Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Carbon tetrachloride	LCS	LCS DUP	78.0	71.0	74.5	4.9	9
Carbon tetrachloride	LCS	LCS DUP	87.0	84.0	85.5	2.1	4
Carbon tetrachloride	LCS	LCS DUP	104.0	96.0	100	5.7	8
Carbon tetrachloride	LCS	LCS DUP	96.0	92.0	94	2.8	4
Carbon tetrachloride	LCS	LCS DUP	101.0	101.0	101	0.0	0
Carbon tetrachloride	LCS	LCS DUP	88.0	87.0	87.5	0.7	1
Carbon tetrachloride	LCS	LCS DUP	107.0	108.0	107.5	0.7	1
Carbon tetrachloride	LCS	LCS DUP	99.0	93.0	96	4.2	6
Carbon tetrachloride	LCS	LCS DUP	87.0	80.0	83.5	4.9	8
Carbon tetrachloride	LCS	LCS DUP	97.0	92.0	94.5	3.5	5
Carbon tetrachloride	LCS	LCS DUP	81.0	82.0	81.5	0.7	1
Carbon tetrachloride	LCS	LCS DUP	92.0	95.0	93.5	2.1	3
Carbon tetrachloride	LCS	LCS DUP	91.0	90.0	90.5	0.7	1
Carbon tetrachloride	LCS	LCS DUP	95.0	96.0	95.5	0.7	1
Carbon tetrachloride	LCS	LCS DUP	97.0	101.0	99	2.8	4
Carbon tetrachloride	LCS	LCS DUP	92.0	101.0	96.5	6.4	9
Carbon tetrachloride	LCS	LCS DUP	95.0	105.0	100	7.1	10
Carbon tetrachloride	LCS	LCS DUP	98.0	95.0	96.5	2.1	3
Carbon tetrachloride	LCS	LCS DUP	92.0	89.0	90.5	2.1	3
Carbon tetrachloride	LCS	LCS DUP	88.0	88.0	88	0.0	0
Carbon tetrachloride	LCS	LCS DUP	87.0	81.0	84	4.2	7
Carbon tetrachloride	LCS	LCS DUP	91.0	81.0	86	7.1	12
Carbon tetrachloride	LCS	LCS DUP	105.0	101.0	103	2.8	4
Carbon tetrachloride	LCS	LCS DUP	83.0	95.0	89	8.5	13
Carbon tetrachloride	LCS	LCS DUP	82.0	94.0	88	8.5	14
Carbon tetrachloride	LCS	LCS DUP	122.0	112.0	117	7.1	9
Carbon tetrachloride	LCS	LCS DUP	85.0	84.0	84.5	0.7	1
Carbon tetrachloride	LCS	LCS DUP	94.0	78.0	86	11.3	19
Carbon tetrachloride	LCS	LCS DUP	100.0	114.0	107	9.9	13
Chlorobenzene	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Chlorobenzene	LCS	LCS DUP	90.0	90.0	90	0.0	0
Chlorobenzene	LCS	LCS DUP	92.0	93.0	92.5	0.7	1

Method = SW8240, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Comparable

ND = Not Detected

() = Footnote Character

A-3-100

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Chlorobenzene	LCS	LCS DUP	99.0	100.0	99.5	0.7	1
Chlorobenzene	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Chlorobenzene	LCS	LCS DUP	97.0	100.0	98.5	2.1	3
Chlorobenzene	LCS	LCS DUP	97.0	99.0	98	1.4	2
Chlorobenzene	LCS	LCS DUP	96.0	102.0	99	4.2	6
Chlorobenzene	LCS	LCS DUP	92.0	90.0	91	1.4	2
Chlorobenzene	LCS	LCS DUP	92.0	96.0	94	2.8	4
Chlorobenzene	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Chlorobenzene	LCS	LCS DUP	84.0	88.0	86	2.8	5
Chlorobenzene	LCS	LCS DUP	92.0	85.0	88.5	4.9	8
Chlorobenzene	LCS	LCS DUP	95.0	90.0	92.5	3.5	5
Chlorobenzene	LCS	LCS DUP	99.0	95.0	97	2.8	4
Chlorobenzene	LCS	LCS DUP	95.0	92.0	93.5	2.1	3
Chlorobenzene	LCS	LCS DUP	98.0	86.0	92	8.5	13
Chlorobenzene	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Chlorobenzene	LCS	LCS DUP	87.0	91.0	89	2.8	4
Chlorobenzene	LCS	LCS DUP	93.0	93.0	93	0.0	0
Chlorobenzene	LCS	LCS DUP	92.0	91.0	91.5	0.7	1
Chlorobenzene	LCS	LCS DUP	99.0	93.0	96	4.2	6
Chlorobenzene	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Chlorobenzene	LCS	LCS DUP	92.0	99.0	95.5	4.9	7
Chlorobenzene	LCS	LCS DUP	90.0	90.0	90	0.0	0
Chlorobenzene	LCS	LCS DUP	98.0	96.0	97	1.4	2
Chlorobenzene	LCS	LCS DUP	93.0	93.0	93	0.0	0
Chlorobenzene	LCS	LCS DUP	90.0	90.0	90	0.0	0
Chlorobenzene	LCS	LCS DUP	89.0	86.0	87.5	2.1	3
Chlorobenzene	LCS	LCS DUP	90.0	90.0	90	0.0	0
Chlorobenzene	LCS	LCS DUP	96.0	99.0	97.5	2.1	3
Chlorobenzene	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Chlorobenzene	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Chlorobenzene	LCS	LCS DUP	105.0	100.0	102.5	3.5	5
Chlorobenzene	LCS	LCS DUP	88.0	90.0	89	1.4	2

Method = SW8240, cont.  
Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-101

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Chlorobenzene	LCS	LCS DUP	94.0	90.0	92	2.8	4
Chlorobenzene	LCS	LCS DUP	104.0	97.0	100.5	4.9	7
Chloroethane	LCS	LCS DUP	80.0	94.0	87	9.9	16
Chloroethane	LCS	LCS DUP	95.0	97.0	96	1.4	2
Chloroethane	LCS	LCS DUP	73.0	63.0	68	7.1	15
Chloroethane	LCS	LCS DUP	88.0	89.0	88.5	0.7	1
Chloroethane	LCS	LCS DUP	104.0	103.0	103.5	0.7	1
Chloroethane	LCS	LCS DUP	78.0	80.0	79	1.4	3
Chloroethane	LCS	LCS DUP	88.0	89.0	88.5	0.7	1
Chloroethane	LCS	LCS DUP	100.0	100.0	100	0.0	0
Chloroethane	LCS	LCS DUP	93.0	88.0	90.5	3.5	6
Chloroethane	LCS	LCS DUP	97.0	102.0	99.5	3.5	5
Chloroethane	LCS	LCS DUP	58.0	66.0	62	5.7	13
Chloroethane	LCS	LCS DUP	84.0	107.0	95.5	16.3	24
Chloroethane	LCS	LCS DUP	53.0	40.0	46.5	9.2	28
Chloroethane	LCS	LCS DUP	94.0	90.0	92	2.8	4
Chloroethane	LCS	LCS DUP	96.0	100.0	98	2.8	4
Chloroethane	LCS	LCS DUP	87.0	80.0	83.5	4.9	8
Chloroethane	LCS	LCS DUP	71.0	77.0	74	4.2	8
Chloroethane	LCS	LCS DUP	76.0	85.0	80.5	6.4	11
Chloroethane	LCS	LCS DUP	85.0	87.0	86	1.4	2
Chloroethane	LCS	LCS DUP	88.0	87.0	87.5	0.7	1
Chloroethane	LCS	LCS DUP	95.0	92.0	93.5	2.1	3
Chloroethane	LCS	LCS DUP	86.0	66.0	76	14.1	26
Chloroethane	LCS	LCS DUP	89.0	83.0	86	4.2	7
Chloroethane	LCS	LCS DUP	75.0	76.0	75.5	0.7	1
Chloroethane	LCS	LCS DUP	86.0	87.0	86.5	0.7	1
Chloroethane	LCS	LCS DUP	69.0	70.0	69.5	0.7	1
Chloroethane	LCS	LCS DUP	76.0	79.0	77.5	2.1	4
Chloroethane	LCS	LCS DUP	84.0	92.0	88	5.7	9
Chloroethane	LCS	LCS DUP	87.0	96.0	91.5	6.4	10
Chloroethane	LCS	LCS DUP	94.0	93.0	93.5	0.7	1

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

() = Footnote Character

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Chloroethane	LCS	LCS DUP	119.0	114.0	116.5	3.5	4
Chloroethane	LCS	LCS DUP	107.0	99.0	103	5.7	8
Chloroethane	LCS	LCS DUP	80.0	91.0	85.5	7.8	13
Chloroethane	LCS	LCS DUP	92.0	76.0	84	11.3	19
Chloroethane	LCS	LCS DUP	79.0	76.0	77.5	2.1	4
Chloroethane	LCS	LCS DUP	97.0	95.0	96	1.4	2
Chloroethane	LCS	LCS DUP	77.0	78.0	77.5	0.7	1
Chloroform	LCS	LCS DUP	114.0	121.0	117.5	4.9	6
Chloroform	LCS	LCS DUP	105.0	105.0	105	0.0	0
Chloroform	LCS	LCS DUP	124.0	116.0	120	5.7	7
Chloroform	LCS	LCS DUP	124.0	120.0	122	2.8	3
Chloroform	LCS	LCS DUP	111.0	122.0	116.5	7.8	9
Chloroform	LCS	LCS DUP	118.0	121.0	119.5	2.1	3
Chloroform	LCS	LCS DUP	118.0	125.0	121.5	4.9	6
Chloroform	LCS	LCS DUP	114.0	117.0	115.5	2.1	3
Chloroform	LCS	LCS DUP	98.0	98.0	98	0.0	0
Chloroform	LCS	LCS DUP	102.0	106.0	104	2.8	4
Chloroform	LCS	LCS DUP	106.0	105.0	105.5	0.7	1
Chloroform	LCS	LCS DUP	99.0	106.0	102.5	4.9	7
Chloroform	LCS	LCS DUP	109.0	91.0	100	12.7	18
Chloroform	LCS	LCS DUP	108.0	100.0	104	5.7	8
Chloroform	LCS	LCS DUP	135.0	123.0	129	8.5	9
Chloroform	LCS	LCS DUP	112.0	113.0	112.5	0.7	1
Chloroform	LCS	LCS DUP	109.0	103.0	106	4.2	6
Chloroform	LCS	LCS DUP	100.0	115.0	107.5	10.6	14
Chloroform	LCS	LCS DUP	99.0	105.0	102	4.2	6
Chloroform	LCS	LCS DUP	100.0	107.0	103.5	4.9	7
Chloroform	LCS	LCS DUP	101.0	105.0	103	2.8	4
Chloroform	LCS	LCS DUP	116.0	109.0	112.5	4.9	6
Chloroform	LCS	LCS DUP	120.0	113.0	116.5	4.9	6
Chloroform	LCS	LCS DUP	109.0	118.0	113.5	6.4	8
Chloroform	LCS	LCS DUP	113.0	119.0	116	4.2	5

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-103

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Chloroform	LCS	LCS DUP	111.0	108.0	109.5	2.1	3
Chloroform	LCS	LCS DUP	106.0	105.0	105.5	0.7	1
Chloroform	LCS	LCS DUP	102.0	114.0	108	8.5	11
Chloroform	LCS	LCS DUP	102.0	102.0	102	0.0	0
Chloroform	LCS	LCS DUP	106.0	115.0	110.5	6.4	8
Chloroform	LCS	LCS DUP	120.0	125.0	122.5	3.5	4
Chloroform	LCS	LCS DUP	111.0	112.0	111.5	0.7	1
Chloroform	LCS	LCS DUP	105.0	106.0	105.5	0.7	1
Chloroform	LCS	LCS DUP	120.0	112.0	116	5.7	7
Chloroform	LCS	LCS DUP	106.0	112.0	109	4.2	6
Chloroform	LCS	LCS DUP	109.0	112.0	110.5	2.1	3
Chloroform	LCS	LCS DUP	123.0	123.0	123	0.0	0
Chloromethane	LCS	LCS DUP	123.0	122.0	122.5	0.7	1
Chloromethane	LCS	LCS DUP	77.0	78.0	77.5	0.7	1
Chloromethane	LCS	LCS DUP	53.0	53.0	53	0.0	0
Chloromethane	LCS	LCS DUP	74.0	61.0	67.5	9.2	19
Chloromethane	LCS	LCS DUP	98.0	113.0	105.5	10.6	14
Chloromethane	LCS	LCS DUP	70.0	69.0	69.5	0.7	1
Chloromethane	LCS	LCS DUP	90.0	89.0	89.5	0.7	1
Chloromethane	LCS	LCS DUP	126.0	127.0	126.5	0.7	1
Chloromethane	LCS	LCS DUP	62.0	59.0	60.5	2.1	5
Chloromethane	LCS	LCS DUP	95.0	96.0	95.5	0.7	1
Chloromethane	LCS	LCS DUP	86.0	77.0	81.5	6.4	11
Chloromethane	LCS	LCS DUP	88.0	97.0	92.5	6.4	10
Chloromethane	LCS	LCS DUP	33.0	25.0	29	5.7	28
Chloromethane	LCS	LCS DUP	111.0	97.0	104	9.9	13
Chloromethane	LCS	LCS DUP	108.0	96.0	102	8.5	12
Chloromethane	LCS	LCS DUP	89.0	83.0	86	4.2	7
Chloromethane	LCS	LCS DUP	65.0	70.0	67.5	3.5	7
Chloromethane	LCS	LCS DUP	71.0	87.0	79	11.3	20
Chloromethane	LCS	LCS DUP	67.0	72.0	69.5	3.5	7
Chloromethane	LCS	LCS DUP	84.0	102.0	93	12.7	19

Compiled: 11 May 1994

NC = Not Cachable ND = Not Detected ( ) = Footnote Character



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Chloromethane	LCS	LCS DUP	80.0	78.0	79	1.4	3
Chloromethane	LCS	LCS DUP	91.0	87.0	89	2.8	4
Chloromethane	LCS	LCS DUP	114.0	104.0	109	7.1	9
Chloromethane	LCS	LCS DUP	77.0	79.0	78	1.4	3
Chloromethane	LCS	LCS DUP	90.0	104.0	97	9.9	14
Chloromethane	LCS	LCS DUP	72.0	74.0	73	1.4	3
Chloromethane	LCS	LCS DUP	99.0	99.0	99	0.0	0
Chloromethane	LCS	LCS DUP	93.0	86.0	89.5	4.9	8
Chloromethane	LCS	LCS DUP	89.0	86.0	87.5	2.1	3
Chloromethane	LCS	LCS DUP	93.0	98.0	95.5	3.5	5
Chloromethane	LCS	LCS DUP	126.0	133.0	129.5	4.9	5
Chloromethane	LCS	LCS DUP	126.0	110.0	118	11.3	14
Chloromethane	LCS	LCS DUP	110.0	108.0	109	1.4	2
Chloromethane	LCS	LCS DUP	104.0	107.0	105.5	2.1	3
Chloromethane	LCS	LCS DUP	84.0	90.0	87	4.2	7
Chloromethane	LCS	LCS DUP	107.0	100.0	103.5	4.9	7
Chloromethane	LCS	LCS DUP	82.0	80.0	81	1.4	2
Chloromethane	LCS	LCS DUP	101.0	100.0	100.5	0.7	1
Dibromochloromethane	LCS	LCS DUP	93.0	89.0	91	2.8	4
Dibromochloromethane	LCS	LCS DUP	104.0	99.0	101.5	3.5	5
Dibromochloromethane	LCS	LCS DUP	103.0	106.0	104.5	2.1	3
Dibromochloromethane	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Dibromochloromethane	LCS	LCS DUP	94.0	96.0	95	1.4	2
Dibromochloromethane	LCS	LCS DUP	90.0	93.0	91.5	2.1	3
Dibromochloromethane	LCS	LCS DUP	91.0	95.0	93	2.8	4
Dibromochloromethane	LCS	LCS DUP	96.0	94.0	95	1.4	2
Dibromochloromethane	LCS	LCS DUP	71.0	77.0	74	4.2	8
Dibromochloromethane	LCS	LCS DUP	99.0	99.0	99	0.0	0
Dibromochloromethane	LCS	LCS DUP	91.0	96.0	93.5	3.5	5
Dibromochloromethane	LCS	LCS DUP	103.0	97.0	100	4.2	6
Dibromochloromethane	LCS	LCS DUP	103.0	96.0	99.5	4.9	7
Dibromochloromethane	LCS	LCS DUP	101.0	102.0	101.5	0.7	1

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Dibromochloromethane	LCS	LCS DUP	102.0	102.0	102	0.0	0
Dibromochloromethane	LCS	LCS DUP	97.0	88.0	92.5	6.4	10
Dibromochloromethane	LCS	LCS DUP	100.0	92.0	96	5.7	8
Dibromochloromethane	LCS	LCS DUP	89.0	90.0	89.5	0.7	1
Dibromochloromethane	LCS	LCS DUP	102.0	102.0	102	0.0	0
Dibromochloromethane	LCS	LCS DUP	103.0	96.0	99.5	4.9	7
Dibromochloromethane	LCS	LCS DUP	98.0	96.0	97	1.4	2
Dibromochloromethane	LCS	LCS DUP	96.0	100.0	98	2.8	4
Dibromochloromethane	LCS	LCS DUP	96.0	107.0	101.5	7.8	11
Dibromochloromethane	LCS	LCS DUP	97.0	91.0	94	4.2	6
Dibromochloromethane	LCS	LCS DUP	102.0	100.0	101	1.4	2
Dibromochloromethane	LCS	LCS DUP	99.0	97.0	98	1.4	2
Dibromochloromethane	LCS	LCS DUP	95.0	93.0	94	1.4	2
Dibromochloromethane	LCS	LCS DUP	92.0	87.0	89.5	3.5	6
Dibromochloromethane	LCS	LCS DUP	92.0	94.0	93	1.4	2
Dibromochloromethane	LCS	LCS DUP	101.0	108.0	104.5	4.9	7
Dibromochloromethane	LCS	LCS DUP	99.0	95.0	97	2.8	4
Dibromochloromethane	LCS	LCS DUP	93.0	94.0	93.5	0.7	1
Dibromochloromethane	LCS	LCS DUP	129.0	119.0	124	7.1	8
Dibromochloromethane	LCS	LCS DUP	86.0	86.0	86	0.0	0
Dibromochloromethane	LCS	LCS DUP	86.0	86.0	86	0.0	0
Dibromochloromethane	LCS	LCS DUP	112.0	115.0	113.5	2.1	3
Ethyl benzene	LCS	LCS DUP	98.0	97.0	97.5	0.7	1
Ethyl benzene	LCS	LCS DUP	98.0	96.0	97	1.4	2
Ethyl benzene	LCS	LCS DUP	96.0	93.0	94.5	2.1	3
Ethyl benzene	LCS	LCS DUP	105.0	107.0	106	1.4	2
Ethyl benzene	LCS	LCS DUP	99.0	100.0	99.5	0.7	1
Ethyl benzene	LCS	LCS DUP	105.0	108.0	106.5	2.1	3
Ethyl benzene	LCS	LCS DUP	104.0	108.0	106	2.8	4
Ethyl benzene	LCS	LCS DUP	104.0	108.0	106	2.8	4
Ethyl benzene	LCS	LCS DUP	103.0	98.0	100.5	3.5	5
Ethyl benzene	LCS	LCS DUP	115.0	121.0	118	4.2	5

Method = SW8240, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not C

ND = Not Detected

() = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Ethyl benzene	LCS	LCS DUP	96.0	94.0	95	1.4	2
Ethyl benzene	LCS	LCS DUP	88.0	95.0	91.5	4.9	8
Ethyl benzene	LCS	LCS DUP	80.0	76.0	78	2.8	5
Ethyl benzene	LCS	LCS DUP	100.0	93.0	96.5	4.9	7
Ethyl benzene	LCS	LCS DUP	107.0	104.0	105.5	2.1	3
Ethyl benzene	LCS	LCS DUP	101.0	100.0	100.5	0.7	1
Ethyl benzene	LCS	LCS DUP	106.0	91.0	98.5	10.6	15
Ethyl benzene	LCS	LCS DUP	102.0	104.0	103	1.4	2
Ethyl benzene	LCS	LCS DUP	96.0	95.0	95.5	0.7	1
Ethyl benzene	LCS	LCS DUP	100.0	96.0	98	2.8	4
Ethyl benzene	LCS	LCS DUP	100.0	101.0	100.5	0.7	1
Ethyl benzene	LCS	LCS DUP	102.0	94.0	98	5.7	8
Ethyl benzene	LCS	LCS DUP	104.0	103.0	103.5	0.7	1
Ethyl benzene	LCS	LCS DUP	96.0	102.0	99	4.2	6
Ethyl benzene	LCS	LCS DUP	102.0	102.0	102	0.0	0
Ethyl benzene	LCS	LCS DUP	103.0	100.0	101.5	2.1	3
Ethyl benzene	LCS	LCS DUP	96.0	96.0	96	0.0	0
Ethyl benzene	LCS	LCS DUP	101.0	100.0	100.5	0.7	1
Ethyl benzene	LCS	LCS DUP	98.0	92.0	95	4.2	6
Ethyl benzene	LCS	LCS DUP	100.0	101.0	100.5	0.7	1
Ethyl benzene	LCS	LCS DUP	106.0	113.0	109.5	4.9	6
Ethyl benzene	LCS	LCS DUP	101.0	94.0	97.5	4.9	7
Ethyl benzene	LCS	LCS DUP	96.0	99.0	97.5	2.1	3
Ethyl benzene	LCS	LCS DUP	100.0	89.0	94.5	7.8	12
Ethyl benzene	LCS	LCS DUP	95.0	98.0	96.5	2.1	3
Ethyl benzene	LCS	LCS DUP	100.0	101.0	100.5	0.7	1
Ethyl benzene	LCS	LCS DUP	110.0	107.0	108.5	2.1	3
Ethyl benzene	LCS	LCS DUP	121.0	98.0	109.5	16.3	21
Methyl ethyl ketone	LCS	LCS DUP	97.0	98.0	97.5	0.7	1
Methyl ethyl ketone	LCS	LCS DUP	70.0	69.0	69.5	0.7	1
Methyl ethyl ketone	LCS	LCS DUP	81.0	79.0	80	1.4	3
Methyl ethyl ketone	LCS	LCS DUP	72.0	70.0	71	1.4	3

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-107

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Methyl ethyl ketone	LCS	LCS DUP	100.0	119.0	109.5	13.4	17
Methyl ethyl ketone	LCS	LCS DUP	87.0	60.0	73.5	19.1	37
Methyl ethyl ketone	LCS	LCS DUP	102.0	99.0	100.5	2.1	3
Methyl ethyl ketone	LCS	LCS DUP	80.0	71.0	75.5	6.4	12
Methyl ethyl ketone	LCS	LCS DUP	98.0	93.0	95.5	3.5	5
Methyl ethyl ketone	LCS	LCS DUP	63.0	59.0	61	2.8	7
Methyl ethyl ketone	LCS	LCS DUP	49.0	69.0	59	14.1	34
Methyl ethyl ketone	LCS	LCS DUP	81.0	89.0	85	5.7	9
Methyl ethyl ketone	LCS	LCS DUP	62.0	46.0	54	11.3	30
Methyl ethyl ketone	LCS	LCS DUP	71.0	67.0	69	2.8	6
Methyl ethyl ketone	LCS	LCS DUP	51.0	54.0	52.5	2.1	6
Methyl ethyl ketone	LCS	LCS DUP	60.0	56.0	58	2.8	7
Methyl ethyl ketone	LCS	LCS DUP	47.0	54.0	50.5	4.9	14
Methyl ethyl ketone	LCS	LCS DUP	64.0	67.0	65.5	2.1	5
Methyl ethyl ketone	LCS	LCS DUP	50.0	49.0	49.5	0.7	2
Methyl ethyl ketone	LCS	LCS DUP	48.0	50.0	49	1.4	4
Methyl ethyl ketone	LCS	LCS DUP	128.0	157.0	142.5	20.5	20
Methyl ethyl ketone	LCS	LCS DUP	58.0	60.0	59	1.4	3
Methyl ethyl ketone	LCS	LCS DUP	60.0	106.0	83	32.5	55
Methyl ethyl ketone	LCS	LCS DUP	53.0	28.0	40.5	17.7	62
Methyl ethyl ketone	LCS	LCS DUP	98.0	113.0	105.5	10.6	14
Methyl ethyl ketone	LCS	LCS DUP	85.0	80.0	82.5	3.5	6
Methyl ethyl ketone	LCS	LCS DUP	50.0	52.0	51	1.4	4
Methyl ethyl ketone	LCS	LCS DUP	54.0	39.0	46.5	10.6	32
Methyl ethyl ketone	LCS	LCS DUP	54.0	58.0	56	2.8	7
Methyl ethyl ketone	LCS	LCS DUP	60.0	62.0	61	1.4	3
Methyl ethyl ketone	LCS	LCS DUP	91.0	85.0	88	4.2	7
Methyl ethyl ketone	LCS	LCS DUP	40.0	48.0	44	5.7	18
Methyl ethyl ketone	LCS	LCS DUP	98.0	70.0	84	19.8	33
Methyl ethyl ketone	LCS	LCS DUP	43.0	49.0	46	4.2	13
Methyl ethyl ketone	LCS	LCS DUP	59.0	59.0	59	0.0	0
Methyl ethyl ketone	LCS	LCS DUP	88.0	87.0	87.5	0.7	1

Method = SW8240, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Characterable ND = Not Detected ( ) = Footnote Character

A-3-108

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Methylene chloride	LCS	LCS DUP	122.0	124.0	123	1.4	2
Methylene chloride	LCS	LCS DUP	131.0	124.0	127.5	4.9	5
Methylene chloride	LCS	LCS DUP	120.0	115.0	117.5	3.5	4
Methylene chloride	LCS	LCS DUP	135.0	135.0	135	0.0	0
Methylene chloride	LCS	LCS DUP	118.0	148.0	133	21.2	23
Methylene chloride	LCS	LCS DUP	99.0	102.0	100.5	2.1	3
Methylene chloride	LCS	LCS DUP	104.0	108.0	106	2.8	4
Methylene chloride	LCS	LCS DUP	106.0	106.0	106	0.0	0
Methylene chloride	LCS	LCS DUP	119.0	108.0	113.5	7.8	10
Methylene chloride	LCS	LCS DUP	93.0	95.0	94	1.4	2
Methylene chloride	LCS	LCS DUP	101.0	98.0	99.5	2.1	3
Methylene chloride	LCS	LCS DUP	105.0	104.0	104.5	0.7	1
Methylene chloride	LCS	LCS DUP	76.0	61.0	68.5	10.6	22
Methylene chloride	LCS	LCS DUP	120.0	102.0	111	12.7	16
Methylene chloride	LCS	LCS DUP	115.0	130.0	122.5	10.6	12
Methylene chloride	LCS	LCS DUP	111.0	118.0	114.5	4.9	6
Methylene chloride	LCS	LCS DUP	111.0	114.0	112.5	2.1	3
Methylene chloride	LCS	LCS DUP	96.0	103.0	99.5	4.9	7
Methylene chloride	LCS	LCS DUP	127.0	134.0	130.5	4.9	5
Methylene chloride	LCS	LCS DUP	102.0	111.0	106.5	6.4	8
Methylene chloride	LCS	LCS DUP	107.0	104.0	105.5	2.1	3
Methylene chloride	LCS	LCS DUP	111.0	96.0	103.5	10.6	14
Methylene chloride	LCS	LCS DUP	106.0	115.0	110.5	6.4	8
Methylene chloride	LCS	LCS DUP	108.0	111.0	109.5	2.1	3
Methylene chloride	LCS	LCS DUP	106.0	117.0	111.5	7.8	10
Methylene chloride	LCS	LCS DUP	100.0	95.0	97.5	3.5	5
Methylene chloride	LCS	LCS DUP	86.0	91.0	88.5	3.5	6
Methylene chloride	LCS	LCS DUP	88.0	109.0	98.5	14.8	21
Methylene chloride	LCS	LCS DUP	102.0	88.0	95	9.9	15
Methylene chloride	LCS	LCS DUP	112.0	98.0	105	9.9	13
Methylene chloride	LCS	LCS DUP	130.0	116.0	123	9.9	11
Methylene chloride	LCS	LCS DUP	105.0	110.0	107.5	3.5	5

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Methylene chloride	LCS	LCS DUP	100.0	97.0	98.5	2.1	3
Methylene chloride	LCS	LCS DUP	120.0	118.0	119	1.4	2
Methylene chloride	LCS	LCS DUP	102.0	105.0	103.5	2.1	3
Methylene chloride	LCS	LCS DUP	111.0	103.0	107	5.7	7
Methylene chloride	LCS	LCS DUP	124.0	135.0	129.5	7.8	8
Styrene	LCS	LCS DUP	100.0	100.0	100	0.0	0
Styrene	LCS	LCS DUP	98.0	94.0	96	2.8	4
Styrene	LCS	LCS DUP	119.0	117.0	118	1.4	2
Styrene	LCS	LCS DUP	121.0	129.0	125	5.7	6
Styrene	LCS	LCS DUP	119.0	126.0	122.5	4.9	6
Styrene	LCS	LCS DUP	120.0	121.0	120.5	0.7	1
Styrene	LCS	LCS DUP	124.0	125.0	124.5	0.7	1
Styrene	LCS	LCS DUP	127.0	126.0	126.5	0.7	1
Styrene	LCS	LCS DUP	124.0	120.0	122	2.8	3
Styrene	LCS	LCS DUP	157.0	173.0	165	11.3	10
Styrene	LCS	LCS DUP	100.0	100.0	100	0.0	0
Styrene	LCS	LCS DUP	92.0	99.0	95.5	4.9	7
Styrene	LCS	LCS DUP	78.0	74.0	76	2.8	5
Styrene	LCS	LCS DUP	98.0	96.0	97	1.4	2
Styrene	LCS	LCS DUP	107.0	107.0	107	0.0	0
Styrene	LCS	LCS DUP	100.0	101.0	100.5	0.7	1
Styrene	LCS	LCS DUP	100.0	92.0	96	5.7	8
Styrene	LCS	LCS DUP	104.0	97.0	100.5	4.9	7
Styrene	LCS	LCS DUP	90.0	95.0	92.5	3.5	5
Styrene	LCS	LCS DUP	105.0	102.0	103.5	2.1	3
Styrene	LCS	LCS DUP	101.0	100.0	100.5	0.7	1
Styrene	LCS	LCS DUP	111.0	102.0	106.5	6.4	8
Styrene	LCS	LCS DUP	98.0	102.0	100	2.8	4
Styrene	LCS	LCS DUP	107.0	115.0	111	5.7	7
Styrene	LCS	LCS DUP	100.0	101.0	100.5	0.7	1
Styrene	LCS	LCS DUP	112.0	119.0	115.5	4.9	6
Styrene	LCS	LCS DUP	115.0	112.0	113.5	2.1	3

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

() = Footnote Character

A-3-110

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Styrene	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
Styrene	LCS	LCS DUP	98.0	94.0	96	2.8	4
Styrene	LCS	LCS DUP	99.0	103.0	101	2.8	4
Styrene	LCS	LCS DUP	104.0	111.0	107.5	4.9	7
Styrene	LCS	LCS DUP	103.0	96.0	99.5	4.9	7
Styrene	LCS	LCS DUP	101.0	103.0	102	1.4	2
Styrene	LCS	LCS DUP	118.0	114.0	116	2.8	3
Styrene	LCS	LCS DUP	99.0	98.0	98.5	0.7	1
Styrene	LCS	LCS DUP	99.0	96.0	97.5	2.1	3
Styrene	LCS	LCS DUP	121.0	111.0	116	7.1	9
Tetrachloroethene	LCS	LCS DUP	105.0	102.0	103.5	2.1	3
Tetrachloroethene	LCS	LCS DUP	94.0	97.0	95.5	2.1	3
Tetrachloroethene	LCS	LCS DUP	104.0	100.0	102	2.8	4
Tetrachloroethene	LCS	LCS DUP	101.0	104.0	102.5	2.1	3
Tetrachloroethene	LCS	LCS DUP	93.0	96.0	94.5	2.1	3
Tetrachloroethene	LCS	LCS DUP	88.0	90.0	89	1.4	2
Tetrachloroethene	LCS	LCS DUP	86.0	87.0	86.5	0.7	1
Tetrachloroethene	LCS	LCS DUP	87.0	85.0	86	1.4	2
Tetrachloroethene	LCS	LCS DUP	95.0	88.0	91.5	4.9	8
Tetrachloroethene	LCS	LCS DUP	83.0	89.0	86	4.2	7
Tetrachloroethene	LCS	LCS DUP	96.0	100.0	98	2.8	4
Tetrachloroethene	LCS	LCS DUP	92.0	95.0	93.5	2.1	3
Tetrachloroethene	LCS	LCS DUP	122.0	131.0	126.5	6.4	7
Tetrachloroethene	LCS	LCS DUP	100.0	96.0	98	2.8	4
Tetrachloroethene	LCS	LCS DUP	107.0	100.0	103.5	4.9	7
Tetrachloroethene	LCS	LCS DUP	100.0	97.0	98.5	2.1	3
Tetrachloroethene	LCS	LCS DUP	105.0	89.0	97	11.3	16
Tetrachloroethene	LCS	LCS DUP	97.0	98.0	97.5	0.7	1
Tetrachloroethene	LCS	LCS DUP	100.0	97.0	98.5	2.1	3
Tetrachloroethene	LCS	LCS DUP	101.0	98.0	99.5	2.1	3
Tetrachloroethene	LCS	LCS DUP	99.0	95.0	97	2.8	4
Tetrachloroethene	LCS	LCS DUP	102.0	100.0	101	1.4	2

Method = SW8240, cont.  
Type = Laboratory Control, cont.

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Tetrachloroethene	LCS	LCS DUP	94.0	98.0	96	2.8	4
Tetrachloroethene	LCS	LCS DUP	94.0	96.0	95	1.4	2
Tetrachloroethene	LCS	LCS DUP	90.0	92.0	91	1.4	2
Tetrachloroethene	LCS	LCS DUP	98.0	96.0	97	1.4	2
Tetrachloroethene	LCS	LCS DUP	95.0	98.0	96.5	2.1	3
Tetrachloroethene	LCS	LCS DUP	90.0	89.0	89.5	0.7	1
Tetrachloroethene	LCS	LCS DUP	84.0	86.0	85	1.4	2
Tetrachloroethene	LCS	LCS DUP	86.0	88.0	87	1.4	2
Tetrachloroethene	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Tetrachloroethene	LCS	LCS DUP	93.0	91.0	92	1.4	2
Tetrachloroethene	LCS	LCS DUP	93.0	94.0	93.5	0.7	1
Tetrachloroethene	LCS	LCS DUP	109.0	107.0	108	1.4	2
Tetrachloroethene	LCS	LCS DUP	90.0	92.0	91	1.4	2
Tetrachloroethene	LCS	LCS DUP	94.0	91.0	92.5	2.1	3
Toluene	LCS	LCS DUP	109.0	113.0	111	2.8	4
Toluene	LCS	LCS DUP	101.0	104.0	102.5	2.1	3
Toluene	LCS	LCS DUP	102.0	95.0	98.5	4.9	7
Toluene	LCS	LCS DUP	106.0	103.0	104.5	2.1	3
Toluene	LCS	LCS DUP	114.0	115.0	114.5	0.7	1
Toluene	LCS	LCS DUP	105.0	101.0	103	2.8	4
Toluene	LCS	LCS DUP	114.0	115.0	114.5	0.7	1
Toluene	LCS	LCS DUP	115.0	118.0	116.5	2.1	3
Toluene	LCS	LCS DUP	115.0	142.0	128.5	19.1	21
Toluene	LCS	LCS DUP	107.0	102.0	104.5	3.5	5
Toluene	LCS	LCS DUP	96.0	106.0	101	7.1	10
Toluene	LCS	LCS DUP	106.0	104.0	105	1.4	2
Toluene	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
Toluene	LCS	LCS DUP	104.0	99.0	101.5	3.5	5
Toluene	LCS	LCS DUP	116.0	108.0	112	5.7	7
Toluene	LCS	LCS DUP	121.0	120.0	120.5	0.7	1
Toluene	LCS	LCS DUP	109.0	109.0	109	0.0	0
Toluene	LCS	LCS DUP	108.0	99.0	103.5	6.4	9

Compiled: 11 May 1994

NC = Not Confirmed Table ND = Not Detected ( ) = Footnote Character

A-3-112



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Toluene	LCS	LCS DUP	116.0	113.0	114.5	2.1	3
Toluene	LCS	LCS DUP	96.0	102.0	99	4.2	6
Toluene	LCS	LCS DUP	110.0	108.0	109	1.4	2
Toluene	LCS	LCS DUP	104.0	106.0	105	1.4	2
Toluene	LCS	LCS DUP	112.0	106.0	109	4.2	6
Toluene	LCS	LCS DUP	103.0	104.0	103.5	0.7	1
Toluene	LCS	LCS DUP	105.0	107.0	106	1.4	2
Toluene	LCS	LCS DUP	107.0	108.0	107.5	0.7	1
Toluene	LCS	LCS DUP	109.0	107.0	108	1.4	2
Toluene	LCS	LCS DUP	106.0	105.0	105.5	0.7	1
Toluene	LCS	LCS DUP	103.0	100.0	101.5	2.1	3
Toluene	LCS	LCS DUP	101.0	101.0	101	0.0	0
Toluene	LCS	LCS DUP	104.0	111.0	107.5	4.9	7
Toluene	LCS	LCS DUP	111.0	115.0	113	2.8	4
Toluene	LCS	LCS DUP	101.0	98.0	99.5	2.1	3
Toluene	LCS	LCS DUP	108.0	106.0	107	1.4	2
Toluene	LCS	LCS DUP	109.0	104.0	106.5	3.5	5
Toluene	LCS	LCS DUP	106.0	107.0	106.5	0.7	1
Toluene	LCS	LCS DUP	110.0	109.0	109.5	0.7	1
Toluene	LCS	LCS DUP	111.0	108.0	109.5	2.1	3
Toluene	LCS	LCS DUP	106.0	103.0	104.5	2.1	3
Tribromomethane (Bromofom)	LCS	LCS DUP	95.0	90.0	92.5	3.5	5
Tribromomethane (Bromofom)	LCS	LCS DUP	102.0	102.0	102	0.0	0
Tribromomethane (Bromofom)	LCS	LCS DUP	105.0	112.0	108.5	4.9	6
Tribromomethane (Bromofom)	LCS	LCS DUP	96.0	90.0	93	4.2	6
Tribromomethane (Bromofom)	LCS	LCS DUP	86.0	88.0	87	1.4	2
Tribromomethane (Bromofom)	LCS	LCS DUP	76.0	74.0	75	1.4	3
Tribromomethane (Bromofom)	LCS	LCS DUP	79.0	81.0	80	1.4	3
Tribromomethane (Bromofom)	LCS	LCS DUP	98.0	92.0	95	4.2	6
Tribromomethane (Bromofom)	LCS	LCS DUP	69.0	73.0	71	2.8	6
Tribromomethane (Bromofom)	LCS	LCS DUP	94.0	89.0	91.5	3.5	5
Tribromomethane (Bromofom)	LCS	LCS DUP	71.0	80.0	75.5	6.4	12

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-113

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Tribromomethane(Bromoform)	LCS	LCS DUP	110.0	102.0	106	5.7	8
Tribromomethane(Bromoform)	LCS	LCS DUP	98.0	90.0	94	5.7	9
Tribromomethane(Bromoform)	LCS	LCS DUP	98.0	100.0	99	1.4	2
Tribromomethane(Bromoform)	LCS	LCS DUP	96.0	97.0	96.5	0.7	1
Tribromomethane(Bromoform)	LCS	LCS DUP	98.0	90.0	94	5.7	9
Tribromomethane(Bromoform)	LCS	LCS DUP	97.0	87.0	92	7.1	11
Tribromomethane(Bromoform)	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Tribromomethane(Bromoform)	LCS	LCS DUP	98.0	98.0	98	0.0	0
Tribromomethane(Bromoform)	LCS	LCS DUP	95.0	90.0	92.5	3.5	5
Tribromomethane(Bromoform)	LCS	LCS DUP	75.0	72.0	73.5	2.1	4
Tribromomethane(Bromoform)	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Tribromomethane(Bromoform)	LCS	LCS DUP	85.0	104.0	94.5	13.4	20
Tribromomethane(Bromoform)	LCS	LCS DUP	74.0	62.0	68	8.5	18
Tribromomethane(Bromoform)	LCS	LCS DUP	100.0	98.0	99	1.4	2
Tribromomethane(Bromoform)	LCS	LCS DUP	98.0	93.0	95.5	3.5	5
Tribromomethane(Bromoform)	LCS	LCS DUP	87.0	86.0	86.5	0.7	1
Tribromomethane(Bromoform)	LCS	LCS DUP	81.0	80.0	80.5	0.7	1
Tribromomethane(Bromoform)	LCS	LCS DUP	83.0	85.0	84	1.4	2
Tribromomethane(Bromoform)	LCS	LCS DUP	94.0	98.0	96	2.8	4
Tribromomethane(Bromoform)	LCS	LCS DUP	96.0	91.0	93.5	3.5	5
Tribromomethane(Bromoform)	LCS	LCS DUP	90.0	92.0	91	1.4	2
Tribromomethane(Bromoform)	LCS	LCS DUP	128.0	111.0	119.5	12.0	14
Tribromomethane(Bromoform)	LCS	LCS DUP	85.0	88.0	86.5	2.1	3
Tribromomethane(Bromoform)	LCS	LCS DUP	86.0	85.0	85.5	0.7	1
Tribromomethane(Bromoform)	LCS	LCS DUP	102.0	99.0	100.5	2.1	3
Tribromomethane(Bromoform)	LCS	LCS DUP	105.0	105.0	105	0.0	0
Trichloroethene	LCS	LCS DUP	96.0	91.0	93.5	3.5	5
Trichloroethene	LCS	LCS DUP	103.0	100.0	101.5	2.1	3
Trichloroethene	LCS	LCS DUP	101.0	101.0	101	0.0	0
Trichloroethene	LCS	LCS DUP	92.0	88.0	90	2.8	4
Trichloroethene	LCS	LCS DUP	88.0	91.0	89.5	2.1	3
Trichloroethene	LCS	LCS DUP	84.0	89.0	86.5	3.5	6

Compiled: 11 May 1994

NC = Not C Table ND = Not Detected ( ) = Footnote Character

A-3-114

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Trichloroethene	LCS	LCS DUP	87.0	90.0	88.5	2.1	3
Trichloroethene	LCS	LCS DUP	91.0	88.0	89.5	2.1	3
Trichloroethene	LCS	LCS DUP	78.0	85.0	81.5	4.9	9
Trichloroethene	LCS	LCS DUP	95.0	98.0	96.5	2.1	3
Trichloroethene	LCS	LCS DUP	90.0	87.0	88.5	2.1	3
Trichloroethene	LCS	LCS DUP	91.0	88.0	89.5	2.1	3
Trichloroethene	LCS	LCS DUP	123.0	94.0	108.5	20.5	27
Trichloroethene	LCS	LCS DUP	107.0	103.0	105	2.8	4
Trichloroethene	LCS	LCS DUP	92.0	94.0	93	1.4	2
Trichloroethene	LCS	LCS DUP	114.0	103.0	108.5	7.8	10
Trichloroethene	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Trichloroethene	LCS	LCS DUP	98.0	98.0	98	0.0	0
Trichloroethene	LCS	LCS DUP	94.0	89.0	91.5	3.5	5
Trichloroethene	LCS	LCS DUP	84.0	83.0	83.5	0.7	1
Trichloroethene	LCS	LCS DUP	102.0	108.0	105	4.2	6
Trichloroethene	LCS	LCS DUP	93.0	98.0	95.5	3.5	5
Trichloroethene	LCS	LCS DUP	91.0	98.0	94.5	4.9	7
Trichloroethene	LCS	LCS DUP	91.0	94.0	92.5	2.1	3
Trichloroethene	LCS	LCS DUP	93.0	93.0	93	0.0	0
Trichloroethene	LCS	LCS DUP	94.0	92.0	93	1.4	2
Trichloroethene	LCS	LCS DUP	89.0	89.0	89	0.0	0
Trichloroethene	LCS	LCS DUP	83.0	83.0	83	0.0	0
Trichloroethene	LCS	LCS DUP	90.0	90.0	90	0.0	0
Trichloroethene	LCS	LCS DUP	94.0	89.0	91.5	3.5	5
Trichloroethene	LCS	LCS DUP	91.0	88.0	89.5	2.1	3
Trichloroethene	LCS	LCS DUP	100.0	97.0	98.5	2.1	3
Trichloroethene	LCS	LCS DUP	106.0	100.0	103	4.2	6
Trichloroethene	LCS	LCS DUP	95.0	103.0	99	5.7	8
Trichloroethene	LCS	LCS DUP	98.0	100.0	99	1.4	2
Trichloroethene	LCS	LCS DUP	108.0	106.0	107	1.4	2
Vinyl acetate	LCS	LCS DUP	111.0	106.0	108.5	3.5	5
Vinyl acetate	LCS	LCS DUP	108.0	103.0	105.5	3.5	5

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-115

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Vinyl acetate	LCS	LCS DUP	18.0	14.0	16	2.8	25
Vinyl acetate	LCS	LCS DUP	298.0	226.0	262	50.9	27
Vinyl acetate	LCS	LCS DUP	216.0	214.0	215	1.4	1
Vinyl acetate	LCS	LCS DUP	93.0	86.0	89.5	4.9	8
Vinyl acetate	LCS	LCS DUP	77.0	57.0	67	14.1	30
Vinyl acetate	LCS	LCS DUP	96.0	99.0	97.5	2.1	3
Vinyl acetate	LCS	LCS DUP	314.0	306.0	310	5.7	3
Vinyl acetate	LCS	LCS DUP	72.0	81.0	76.5	6.4	12
Vinyl acetate	LCS	LCS DUP	83.0	76.0	79.5	4.9	9
Vinyl acetate	LCS	LCS DUP	80.0	90.0	85	7.1	12
Vinyl acetate	LCS	LCS DUP	54.0	55.0	54.5	0.7	2
Vinyl acetate	LCS	LCS DUP	107.0	97.0	102	7.1	10
Vinyl acetate	LCS	LCS DUP	95.0	98.0	96.5	2.1	3
Vinyl acetate	LCS	LCS DUP	102.0	98.0	100	2.8	4
Vinyl acetate	LCS	LCS DUP	37.0	37.0	37	0.0	0
Vinyl acetate	LCS	LCS DUP	89.0	108.0	98.5	13.4	19
Vinyl acetate	LCS	LCS DUP	58.0	76.0	67	12.7	27
Vinyl acetate	LCS	LCS DUP	88.0	100.0	94	8.5	13
Vinyl acetate	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Vinyl acetate	LCS	LCS DUP	156.0	86.0	121	49.5	58
Vinyl acetate	LCS	LCS DUP	34.0	81.0	57.5	33.2	82
Vinyl acetate	LCS	LCS DUP	71.0	96.0	83.5	17.7	30
Vinyl acetate	LCS	LCS DUP	88.0	86.0	87	1.4	2
Vinyl acetate	LCS	LCS DUP	101.0	97.0	99	2.8	4
Vinyl acetate	LCS	LCS DUP	96.0	85.0	90.5	7.8	12
Vinyl acetate	LCS	LCS DUP	91.0	89.0	90	1.4	2
Vinyl acetate	LCS	LCS DUP	103.0	88.0	95.5	10.6	16
Vinyl acetate	LCS	LCS DUP	64.0	64.0	64	0.0	0
Vinyl acetate	LCS	LCS DUP	82.0	86.0	84	2.8	5
Vinyl acetate	LCS	LCS DUP	75.0	58.0	66.5	12.0	26
Vinyl acetate	LCS	LCS DUP	116.0	113.0	114.5	2.1	3
Vinyl acetate	LCS	LCS DUP	147.0	132.0	139.5	10.6	11

Compiled: 11 May 1994

NC = Not Confirmed      ND = Not Detected      ( ) = Footnote Character

A-3-116

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Vinyl acetate	LCS	LCS DUP	100.0	50.0	75	35.4	67
Vinyl acetate	LCS	LCS DUP	85.0	86.0	85.5	0.7	1
Vinyl acetate	LCS	LCS DUP	83.0	78.0	80.5	3.5	6
Vinyl chloride	LCS	LCS DUP	156.0	166.0	161	7.1	6
Vinyl chloride	LCS	LCS DUP	133.0	140.0	136.5	4.9	5
Vinyl chloride	LCS	LCS DUP	32.0	75.0	53.5	30.4	80
Vinyl chloride	LCS	LCS DUP	88.0	81.0	84.5	4.9	8
Vinyl chloride	LCS	LCS DUP	121.0	129.0	125	5.7	6
Vinyl chloride	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Vinyl chloride	LCS	LCS DUP	107.0	109.0	108	1.4	2
Vinyl chloride	LCS	LCS DUP	144.0	145.0	144.5	0.7	1
Vinyl chloride	LCS	LCS DUP	79.0	78.0	78.5	0.7	1
Vinyl chloride	LCS	LCS DUP	113.0	118.0	115.5	3.5	4
Vinyl chloride	LCS	LCS DUP	96.0	87.0	91.5	6.4	10
Vinyl chloride	LCS	LCS DUP	115.0	116.0	115.5	0.7	1
Vinyl chloride	LCS	LCS DUP	64.0	47.0	55.5	12.0	31
Vinyl chloride	LCS	LCS DUP	120.0	113.0	116.5	4.9	6
Vinyl chloride	LCS	LCS DUP	125.0	143.0	134	12.7	13
Vinyl chloride	LCS	LCS DUP	102.0	100.0	101	1.4	2
Vinyl chloride	LCS	LCS DUP	91.0	77.0	84	9.9	17
Vinyl chloride	LCS	LCS DUP	86.0	101.0	93.5	10.6	16
Vinyl chloride	LCS	LCS DUP	88.0	94.0	91	4.2	7
Vinyl chloride	LCS	LCS DUP	110.0	121.0	115.5	7.8	10
Vinyl chloride	LCS	LCS DUP	95.0	108.0	101.5	9.2	13
Vinyl chloride	LCS	LCS DUP	97.0	97.0	97	0.0	0
Vinyl chloride	LCS	LCS DUP	130.0	127.0	128.5	2.1	2
Vinyl chloride	LCS	LCS DUP	91.0	94.0	92.5	2.1	3
Vinyl chloride	LCS	LCS DUP	128.0	126.0	127	1.4	2
Vinyl chloride	LCS	LCS DUP	87.0	86.0	86.5	0.7	1
Vinyl chloride	LCS	LCS DUP	104.0	104.0	104	0.0	0
Vinyl chloride	LCS	LCS DUP	118.0	125.0	121.5	4.9	6
Vinyl chloride	LCS	LCS DUP	116.0	116.0	116	0.0	0

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-117

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Vinyl chloride	LCS	LCS DUP	116.0	131.0	123.5	10.6	12
Vinyl chloride	LCS	LCS DUP	164.0	156.0	160	5.7	5
Vinyl chloride	LCS	LCS DUP	120.0	110.0	115	7.1	9
Vinyl chloride	LCS	LCS DUP	128.0	125.0	126.5	2.1	2
Vinyl chloride	LCS	LCS DUP	121.0	107.0	114	9.9	12
Vinyl chloride	LCS	LCS DUP	115.0	117.0	116	1.4	2
Vinyl chloride	LCS	LCS DUP	145.0	132.0	138.5	9.2	9
Vinyl chloride	LCS	LCS DUP	120.0	117.0	118.5	2.1	3
Xylenes	LCS	LCS DUP	101.0	102.0	101.5	0.7	1
Xylenes	LCS	LCS DUP	98.0	98.0	98	0.0	0
Xylenes	LCS	LCS DUP	98.0	98.0	98	0.0	0
Xylenes	LCS	LCS DUP	107.0	107.0	107	0.0	0
Xylenes	LCS	LCS DUP	102.0	106.0	104	2.8	4
Xylenes	LCS	LCS DUP	100.0	102.0	101	1.4	2
Xylenes	LCS	LCS DUP	103.0	107.0	105	2.8	4
Xylenes	LCS	LCS DUP	104.0	108.0	106	2.8	4
Xylenes	LCS	LCS DUP	107.0	102.0	104.5	3.5	5
Xylenes	LCS	LCS DUP	116.0	121.0	118.5	3.5	4
Xylenes	LCS	LCS DUP	99.0	100.0	99.5	0.7	1
Xylenes	LCS	LCS DUP	94.0	96.0	95	1.4	2
Xylenes	LCS	LCS DUP	85.0	85.0	85	0.0	0
Xylenes	LCS	LCS DUP	98.0	95.0	96.5	2.1	3
Xylenes	LCS	LCS DUP	104.0	101.0	102.5	2.1	3
Xylenes	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
Xylenes	LCS	LCS DUP	106.0	93.0	99.5	9.2	13
Xylenes	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
Xylenes	LCS	LCS DUP	97.0	98.0	97.5	0.7	1
Xylenes	LCS	LCS DUP	101.0	100.0	100.5	0.7	1
Xylenes	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
Xylenes	LCS	LCS DUP	107.0	103.0	105	2.8	4
Xylenes	LCS	LCS DUP	103.0	103.0	103	0.0	0
Xylenes	LCS	LCS DUP	98.0	103.0	100.5	3.5	5

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

( ) = Footnote Character

A-3-118

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
Xylenes	LCS	LCS DUP	103.0	103.0	103	0.0	0
Xylenes	LCS	LCS DUP	104.0	111.0	107.5	4.9	7
Xylenes	LCS	LCS DUP	104.0	103.0	103.5	0.7	1
Xylenes	LCS	LCS DUP	102.0	101.0	101.5	0.7	1
Xylenes	LCS	LCS DUP	96.0	98.0	97	1.4	2
Xylenes	LCS	LCS DUP	104.0	104.0	104	0.0	0
Xylenes	LCS	LCS DUP	107.0	114.0	110.5	4.9	6
Xylenes	LCS	LCS DUP	102.0	98.0	100	2.8	4
Xylenes	LCS	LCS DUP	99.0	100.0	99.5	0.7	1
Xylenes	LCS	LCS DUP	111.0	105.0	108	4.2	6
Xylenes	LCS	LCS DUP	97.0	99.0	98	1.4	2
Xylenes	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
Xylenes	LCS	LCS DUP	115.0	112.0	113.5	2.1	3
Xylenes	LCS	LCS DUP	108.0	107.0	107.5	0.7	1
cis-1,3-Dichloropropene	LCS	LCS DUP	103.0	94.0	98.5	6.4	9
cis-1,3-Dichloropropene	LCS	LCS DUP	89.0	84.0	86.5	3.5	6
cis-1,3-Dichloropropene	LCS	LCS DUP	105.0	108.0	106.5	2.1	3
cis-1,3-Dichloropropene	LCS	LCS DUP	98.0	93.0	95.5	3.5	5
cis-1,3-Dichloropropene	LCS	LCS DUP	90.0	96.0	93	4.2	6
cis-1,3-Dichloropropene	LCS	LCS DUP	90.0	93.0	91.5	2.1	3
cis-1,3-Dichloropropene	LCS	LCS DUP	94.0	98.0	96	2.8	4
cis-1,3-Dichloropropene	LCS	LCS DUP	102.0	102.0	102	0.0	0
cis-1,3-Dichloropropene	LCS	LCS DUP	78.0	87.0	82.5	6.4	11
cis-1,3-Dichloropropene	LCS	LCS DUP	106.0	105.0	105.5	0.7	1
cis-1,3-Dichloropropene	LCS	LCS DUP	103.0	101.0	102	1.4	2
cis-1,3-Dichloropropene	LCS	LCS DUP	88.0	85.0	86.5	2.1	3
cis-1,3-Dichloropropene	LCS	LCS DUP	117.0	111.0	114	4.2	5
cis-1,3-Dichloropropene	LCS	LCS DUP	116.0	119.0	117.5	2.1	3
cis-1,3-Dichloropropene	LCS	LCS DUP	109.0	111.0	110	1.4	2
cis-1,3-Dichloropropene	LCS	LCS DUP	96.0	90.0	93	4.2	6
cis-1,3-Dichloropropene	LCS	LCS DUP	116.0	106.0	111	7.1	9
cis-1,3-Dichloropropene	LCS	LCS DUP	90.0	97.0	93.5	4.9	7

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-119

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Laboratory Control, cont.							
cis-1,3-Dichloropropene	LCS	LCS DUP	110.0	111.0	110.5	0.7	1
cis-1,3-Dichloropropene	LCS	LCS DUP	108.0	106.0	107	1.4	2
cis-1,3-Dichloropropene	LCS	LCS DUP	97.0	90.0	93.5	4.9	7
cis-1,3-Dichloropropene	LCS	LCS DUP	109.0	107.0	108	1.4	2
cis-1,3-Dichloropropene	LCS	LCS DUP	92.0	101.0	96.5	6.4	9
cis-1,3-Dichloropropene	LCS	LCS DUP	115.0	112.0	113.5	2.1	3
cis-1,3-Dichloropropene	LCS	LCS DUP	96.0	97.0	96.5	0.7	1
cis-1,3-Dichloropropene	LCS	LCS DUP	95.0	90.0	92.5	3.5	5
cis-1,3-Dichloropropene	LCS	LCS DUP	110.0	107.0	108.5	2.1	3
cis-1,3-Dichloropropene	LCS	LCS DUP	110.0	103.0	106.5	4.9	7
cis-1,3-Dichloropropene	LCS	LCS DUP	112.0	112.0	112	0.0	0
cis-1,3-Dichloropropene	LCS	LCS DUP	121.0	121.0	121	0.0	0
cis-1,3-Dichloropropene	LCS	LCS DUP	108.0	103.0	105.5	3.5	5
cis-1,3-Dichloropropene	LCS	LCS DUP	116.0	112.0	114	2.8	4
cis-1,3-Dichloropropene	LCS	LCS DUP	103.0	100.0	101.5	2.1	3
cis-1,3-Dichloropropene	LCS	LCS DUP	112.0	116.0	114	2.8	4
cis-1,3-Dichloropropene	LCS	LCS DUP	118.0	114.0	116	2.8	3
cis-1,3-Dichloropropene	LCS	LCS DUP	103.0	100.0	101.5	2.1	3
trans-1,2-Dichloroethene	LCS	LCS DUP	114.0	126.0	120	8.5	10
trans-1,2-Dichloroethene	LCS	LCS DUP	123.0	111.0	117	8.5	10
trans-1,2-Dichloroethene	LCS	LCS DUP	118.0	112.0	115	4.2	5
trans-1,2-Dichloroethene	LCS	LCS DUP	124.0	120.0	122	2.8	3
trans-1,2-Dichloroethene	LCS	LCS DUP	113.0	120.0	116.5	4.9	6
trans-1,2-Dichloroethene	LCS	LCS DUP	111.0	114.0	112.5	2.1	3
trans-1,2-Dichloroethene	LCS	LCS DUP	108.0	111.0	109.5	2.1	3
trans-1,2-Dichloroethene	LCS	LCS DUP	110.0	112.0	111	1.4	2
trans-1,2-Dichloroethene	LCS	LCS DUP	102.0	99.0	100.5	2.1	3
trans-1,2-Dichloroethene	LCS	LCS DUP	106.0	113.0	109.5	4.9	6
trans-1,2-Dichloroethene	LCS	LCS DUP	102.0	107.0	104.5	3.5	5
trans-1,2-Dichloroethene	LCS	LCS DUP	95.0	95.0	95	0.0	0
trans-1,2-Dichloroethene	LCS	LCS DUP	84.0	72.0	78	8.5	15
trans-1,2-Dichloroethene	LCS	LCS DUP	100.0	100.0	100	0.0	0

Compiled: 11 May 1994

NC = Not Characterizable

ND = Not Detected

() = Footnote Character

A-3-120



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
trans-1,2-Dichloroethene	LCS	LCS DUP	117.0	116.0	116.5	0.7	1
trans-1,2-Dichloroethene	LCS	LCS DUP	107.0	106.0	106.5	0.7	1
trans-1,2-Dichloroethene	LCS	LCS DUP	109.0	98.0	103.5	7.8	11
trans-1,2-Dichloroethene	LCS	LCS DUP	93.0	108.0	100.5	10.6	15
trans-1,2-Dichloroethene	LCS	LCS DUP	101.0	118.0	109.5	12.0	16
trans-1,2-Dichloroethene	LCS	LCS DUP	108.0	100.0	104	5.7	8
trans-1,2-Dichloroethene	LCS	LCS DUP	99.0	102.0	100.5	2.1	3
trans-1,2-Dichloroethene	LCS	LCS DUP	105.0	86.0	95.5	13.4	20
trans-1,2-Dichloroethene	LCS	LCS DUP	105.0	106.0	105.5	0.7	1
trans-1,2-Dichloroethene	LCS	LCS DUP	99.0	107.0	103	5.7	8
trans-1,2-Dichloroethene	LCS	LCS DUP	109.0	121.0	115	8.5	10
trans-1,2-Dichloroethene	LCS	LCS DUP	102.0	100.0	101	1.4	2
trans-1,2-Dichloroethene	LCS	LCS DUP	99.0	98.0	98.5	0.7	1
trans-1,2-Dichloroethene	LCS	LCS DUP	103.0	113.0	108	7.1	9
trans-1,2-Dichloroethene	LCS	LCS DUP	103.0	101.0	102	1.4	2
trans-1,2-Dichloroethene	LCS	LCS DUP	108.0	109.0	108.5	0.7	1
trans-1,2-Dichloroethene	LCS	LCS DUP	121.0	118.0	119.5	2.1	3
trans-1,2-Dichloroethene	LCS	LCS DUP	101.0	104.0	102.5	2.1	3
trans-1,2-Dichloroethene	LCS	LCS DUP	103.0	102.0	102.5	0.7	1
trans-1,2-Dichloroethene	LCS	LCS DUP	122.0	120.0	121	1.4	2
trans-1,2-Dichloroethene	LCS	LCS DUP	96.0	100.0	98	2.8	4
trans-1,2-Dichloroethene	LCS	LCS DUP	103.0	105.0	104	1.4	2
trans-1,2-Dichloroethene	LCS	LCS DUP	123.0	112.0	117.5	7.8	9
trans-1,3-Dichloropropene	LCS	LCS DUP	98.0	102.0	100	2.8	4
trans-1,3-Dichloropropene	LCS	LCS DUP	99.0	92.0	95.5	4.9	7
trans-1,3-Dichloropropene	LCS	LCS DUP	86.0	89.0	87.5	2.1	3
trans-1,3-Dichloropropene	LCS	LCS DUP	110.0	109.0	109.5	0.7	1
trans-1,3-Dichloropropene	LCS	LCS DUP	105.0	98.0	101.5	4.9	7
trans-1,3-Dichloropropene	LCS	LCS DUP	91.0	88.0	89.5	2.1	3
trans-1,3-Dichloropropene	LCS	LCS DUP	86.0	93.0	89.5	4.9	8
trans-1,3-Dichloropropene	LCS	LCS DUP	88.0	90.0	89	1.4	2
trans-1,3-Dichloropropene	LCS	LCS DUP	107.0	107.0	107	0.0	0

Method = SW8240, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-121

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
trans-1,3-Dichloropropene	LCS	LCS DUP	83.0	86.0	84.5	2.1	4
trans-1,3-Dichloropropene	LCS	LCS DUP	100.0	97.0	98.5	2.1	3
trans-1,3-Dichloropropene	LCS	LCS DUP	92.0	92.0	92	0.0	0
trans-1,3-Dichloropropene	LCS	LCS DUP	86.0	79.0	82.5	4.9	8
trans-1,3-Dichloropropene	LCS	LCS DUP	101.0	96.0	98.5	3.5	5
trans-1,3-Dichloropropene	LCS	LCS DUP	103.0	101.0	102	1.4	2
trans-1,3-Dichloropropene	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
trans-1,3-Dichloropropene	LCS	LCS DUP	89.0	82.0	85.5	4.9	8
trans-1,3-Dichloropropene	LCS	LCS DUP	101.0	90.0	95.5	7.8	12
trans-1,3-Dichloropropene	LCS	LCS DUP	85.0	90.0	87.5	3.5	6
trans-1,3-Dichloropropene	LCS	LCS DUP	103.0	100.0	101.5	2.1	3
trans-1,3-Dichloropropene	LCS	LCS DUP	100.0	94.0	97	4.2	6
trans-1,3-Dichloropropene	LCS	LCS DUP	97.0	91.0	94	4.2	6
trans-1,3-Dichloropropene	LCS	LCS DUP	108.0	106.0	107	1.4	2
trans-1,3-Dichloropropene	LCS	LCS DUP	79.0	89.0	84	7.1	12
trans-1,3-Dichloropropene	LCS	LCS DUP	107.0	98.0	102.5	6.4	9
trans-1,3-Dichloropropene	LCS	LCS DUP	86.0	85.0	85.5	0.7	1
trans-1,3-Dichloropropene	LCS	LCS DUP	87.0	86.0	86.5	0.7	1
trans-1,3-Dichloropropene	LCS	LCS DUP	105.0	103.0	104	1.4	2
trans-1,3-Dichloropropene	LCS	LCS DUP	101.0	94.0	97.5	4.9	7
trans-1,3-Dichloropropene	LCS	LCS DUP	103.0	104.0	103.5	0.7	1
trans-1,3-Dichloropropene	LCS	LCS DUP	117.0	122.0	119.5	3.5	4
trans-1,3-Dichloropropene	LCS	LCS DUP	105.0	102.0	103.5	2.1	3
trans-1,3-Dichloropropene	LCS	LCS DUP	100.0	104.0	102	2.8	4
trans-1,3-Dichloropropene	LCS	LCS DUP	108.0	100.0	104	5.7	8
trans-1,3-Dichloropropene	LCS	LCS DUP	100.0	102.0	101	1.4	2
trans-1,3-Dichloropropene	LCS	LCS DUP	101.0	98.0	99.5	2.1	3
trans-1,3-Dichloropropene	LCS	LCS DUP	99.0	106.0	102.5	4.9	7
Type = Matrix Spike							
1,1-Dichloroethene	01-SD-02-01 MS	01-SD-02-01 MSD	91.0	94.0	92.5	2.1	3
1,1-Dichloroethene	01-SS-07-01 MS	01-SS-07-01 MSD	112.0	112.0	112	0.0	0

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

() = Footnote Character

A-3-122

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Matrix Spike, cont.							
1,1-Dichloroethene	04-DS-01 MS	04-DS-01 MSD	85.0	83.0	84	1.4	2
1,1-Dichloroethene	04-SS-02-01 MS	04-SS-02-01 MSD	99.0	90.0	94.5	6.4	10
1,1-Dichloroethene	05-DS-01 MS	05-DS-01 MSD	115.0	116.0	115.5	0.7	1
1,1-Dichloroethene	05-MW-04-02 MS	05-MW-04-02 MSD	132.0	124.0	128	5.7	6
1,1-Dichloroethene	05-SS-15-01 MS	05-SS-15-01 MSD	73.0	76.0	74.5	2.1	4
1,1-Dichloroethene	06-DS-01 MS	06-DS-01 MSD	131.0	119.0	125	8.5	10
1,1-Dichloroethene	06-DS-02 MS	06-DS-02 MSD	96.0	90.0	93	4.2	6
1,1-Dichloroethene	06-SD-01-01 MS	06-SD-01-01 MSD	95.0	100.0	97.5	3.5	5
1,1-Dichloroethene	07-DS-01 MS	07-DS-01 MSD	77.0	67.0	72	7.1	14
1,1-Dichloroethene	07-MW-03-02 MS	07-MW-03-02 MSD	81.0	81.0	81	0.0	0
1,1-Dichloroethene	10-DS-01 MS	10-DS-01 MSD	121.0	123.0	122	1.4	2
1,1-Dichloroethene	10-SS-01-01 MS	10-SS-01-01 MSD	111.0	105.0	108	4.2	6
1,1-Dichloroethene	10-SS-02-01 MS	10-SS-02-01 MSD	85.0	98.0	91.5	9.2	14
Benzene	01-SD-02-01 MS	01-SD-02-01 MSD	99.0	101.0	100	1.4	2
Benzene	01-SS-07-01 MS	01-SS-07-01 MSD	94.0	92.0	93	1.4	2
Benzene	04-DS-01 MS	04-DS-01 MSD	96.0	93.0	94.5	2.1	3
Benzene	04-SS-02-01 MS	04-SS-02-01 MSD	113.0	100.0	106.5	9.2	12
Benzene	05-DS-01 MS	05-DS-01 MSD	139.0	150.0	144.5	7.8	8
Benzene	05-MW-04-02 MS	05-MW-04-02 MSD	96.0	95.0	95.5	0.7	1
Benzene	05-SS-15-01 MS	05-SS-15-01 MSD	82.0	80.0	81	1.4	2
Benzene	06-DS-01 MS	06-DS-01 MSD	103.0	102.0	102.5	0.7	1
Benzene	06-DS-02 MS	06-DS-02 MSD	95.0	94.0	94.5	0.7	1
Benzene	06-SD-01-01 MS	06-SD-01-01 MSD	92.0	98.0	95	4.2	6
Benzene	07-DS-01 MS	07-DS-01 MSD	94.0	88.0	91	4.2	7
Benzene	07-MW-03-02 MS	07-MW-03-02 MSD	98.0	92.0	95	4.2	6
Benzene	10-DS-01 MS	10-DS-01 MSD	106.0	109.0	107.5	2.1	3
Benzene	10-SS-01-01 MS	10-SS-01-01 MSD	92.0	93.0	92.5	0.7	1
Benzene	10-SS-02-01 MS	10-SS-02-01 MSD	103.0	101.0	102	1.4	2
Chlorobenzene	01-SD-02-01 MS	01-SD-02-01 MSD	90.0	92.0	91	1.4	2
Chlorobenzene	01-SS-07-01 MS	01-SS-07-01 MSD	92.0	93.0	92.5	0.7	1
Chlorobenzene	04-DS-01 MS	04-DS-01 MSD	100.0	98.0	99	1.4	2
Chlorobenzene	04-SS-02-01 MS	04-SS-02-01 MSD	113.0	100.0	106.5	9.2	12

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-123

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Matrix Spike, cont.							
Chlorobenzene	05-DS-01 MS	05-DS-01 MSD	106.0	110.0	108	2.8	4
Chlorobenzene	05-MW-04-02 MS	05-MW-04-02 MSD	96.0	100.0	98	2.8	4
Chlorobenzene	05-SS-15-01 MS	05-SS-15-01 MSD	92.0	96.0	94	2.8	4
Chlorobenzene	06-DS-01 MS	06-DS-01 MSD	104.0	101.0	102.5	2.1	3
Chlorobenzene	06-DS-02 MS	06-DS-02 MSD	99.0	98.0	98.5	0.7	1
Chlorobenzene	06-SD-01-01 MS	06-SD-01-01 MSD	92.0	98.0	95	4.2	6
Chlorobenzene	07-DS-01 MS	07-DS-01 MSD	104.0	100.0	102	2.8	4
Chlorobenzene	07-MW-03-02 MS	07-MW-03-02 MSD	105.0	104.0	104.5	0.7	1
Chlorobenzene	10-DS-01 MS	10-DS-01 MSD	106.0	107.0	106.5	0.7	1
Chlorobenzene	10-SS-01-01 MS	10-SS-01-01 MSD	102.0	95.0	98.5	4.9	7
Chlorobenzene	10-SS-02-01 MS	10-SS-02-01 MSD	97.0	94.0	95.5	2.1	3
Chlorobenzene	01-SD-02-01 MS	01-SD-02-01 MSD	102.0	98.0	100	2.8	4
Toluene	01-SS-07-01 MS	01-SS-07-01 MSD	99.0	99.0	99	0.0	0
Toluene	04-DS-01 MS	04-DS-01 MSD	114.0	118.0	116	2.8	3
Toluene	04-SS-02-01 MS	04-SS-02-01 MSD	133.0	119.0	126	9.9	11
Toluene	05-DS-01 MS	05-DS-01 MSD	126.0	125.0	125.5	0.7	1
Toluene	05-MW-04-02 MS	05-MW-04-02 MSD	103.0	102.0	102.5	0.7	1
Toluene	05-SS-15-01 MS	05-SS-15-01 MSD	106.0	101.0	103.5	3.5	5
Toluene	06-DS-01 MS	06-DS-01 MSD	118.0	115.0	116.5	2.1	3
Toluene	06-DS-02 MS	06-DS-02 MSD	116.0	115.0	115.5	0.7	1
Toluene	06-SD-01-01 MS	06-SD-01-01 MSD	97.0	101.0	99	2.8	4
Toluene	07-DS-01 MS	07-DS-01 MSD	101.0	96.0	98.5	3.5	5
Toluene	07-MW-03-02 MS	07-MW-03-02 MSD	97.0	95.0	96	1.4	2
Toluene	10-DS-01 MS	10-DS-01 MSD	124.0	129.0	126.5	3.5	4
Toluene	10-SS-01-01 MS	10-SS-01-01 MSD	103.0	104.0	103.5	0.7	1
Toluene	10-SS-02-01 MS	10-SS-02-01 MSD	101.0	101.0	101	0.0	0
Trichloroethene	01-SD-02-01 MS	01-SD-02-01 MSD	95.0	91.0	93	2.8	4
Trichloroethene	01-SS-07-01 MS	01-SS-07-01 MSD	95.0	93.0	94	1.4	2
Trichloroethene	04-DS-01 MS	04-DS-01 MSD	97.0	89.0	93	5.7	9
Trichloroethene	04-SS-02-01 MS	04-SS-02-01 MSD	103.0	88.0	95.5	10.6	16
Trichloroethene	05-DS-01 MS	05-DS-01 MSD	96.0	98.0	97	1.4	2
Trichloroethene	05-MW-04-02 MS	05-MW-04-02 MSD	96.0	97.0	96.5	0.7	1

Compiled: 11 May 1994

NC = Not C

ND = Not Detected

() = Footnote Character

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8240, cont.							
Type = Matrix Spike, cont.							
Trichloroethene	05-SS-15-01 MS	05-SS-15-01 MSD	87.0	91.0	89	2.8	4
Trichloroethene	06-DS-01 MS	06-DS-01 MSD	96.0	94.0	95	1.4	2
Trichloroethene	06-DS-02 MS	06-DS-02 MSD	86.0	83.0	84.5	2.1	4
Trichloroethene	06-SD-01-01 MS	06-SD-01-01 MSD	92.0	98.0	95	4.2	6
Trichloroethene	07-DS-01 MS	07-DS-01 MSD	93.0	90.0	91.5	2.1	3
Trichloroethene	07-MW-03-02 MS	07-MW-03-02 MSD	92.0	93.0	92.5	0.7	1
Trichloroethene	10-DS-01 MS	10-DS-01 MSD	92.0	94.0	93	1.4	2
Trichloroethene	10-SS-01-01 MS	10-SS-01-01 MSD	104.0	105.0	104.5	0.7	1
Trichloroethene	10-SS-02-01 MS	10-SS-02-01 MSD	92.0	93.0	92.5	0.7	1
Method = SW8270							
Type = Field Duplicate							
1,2,4-Trichlorobenzene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
1,2,4-Trichlorobenzene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
1,2,4-Trichlorobenzene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
1,2,4-Trichlorobenzene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
1,2,4-Trichlorobenzene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
1,2,4-Trichlorobenzene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
1,2,4-Trichlorobenzene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
1,2,4-Trichlorobenzene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
1,2,4-Trichlorobenzene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
1,2,4-Trichlorobenzene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
1,2,4-Trichlorobenzene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
1,2,4-Trichlorobenzene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
1,2,4-Trichlorobenzene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
1,2,4-Trichlorobenzene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
1,2-Dichlorobenzene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
1,2-Dichlorobenzene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
1,2-Dichlorobenzene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
1,2-Dichlorobenzene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
1,2-Dichlorobenzene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
1,2-Dichlorobenzene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
1,2-Dichlorobenzene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
1,2-Dichlorobenzene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
1,2-Dichlorobenzene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
1,2-Dichlorobenzene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
1,2-Dichlorobenzene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
1,2-Dichlorobenzene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
1,2-Dichlorobenzene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
1,2-Dichlorobenzene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
1,3-Dichlorobenzene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
1,3-Dichlorobenzene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
1,3-Dichlorobenzene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
1,3-Dichlorobenzene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
1,3-Dichlorobenzene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
1,3-Dichlorobenzene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
1,3-Dichlorobenzene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
1,3-Dichlorobenzene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
1,3-Dichlorobenzene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
1,3-Dichlorobenzene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
1,3-Dichlorobenzene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
1,3-Dichlorobenzene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
1,3-Dichlorobenzene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
1,3-Dichlorobenzene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
1,4-Dichlorobenzene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
1,4-Dichlorobenzene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
1,4-Dichlorobenzene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
1,4-Dichlorobenzene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
1,4-Dichlorobenzene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
1,4-Dichlorobenzene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
1,4-Dichlorobenzene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
1,4-Dichlorobenzene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
1,4-Dichlorobenzene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Comparable

ND = Not Detected

() = Footnote Character

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
1,4-Dichlorobenzene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
1,4-Dichlorobenzene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
1,4-Dichlorobenzene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
1,4-Dichlorobenzene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
1,4-Dichlorobenzene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2,4,5-Trichloropheno	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2,4,5-Trichloropheno	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2,4,5-Trichloropheno	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2,4,5-Trichloropheno	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2,4,5-Trichloropheno	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2,4,5-Trichloropheno	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2,4,5-Trichloropheno	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2,4,5-Trichloropheno	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2,4,5-Trichloropheno	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2,4,5-Trichloropheno	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2,4,5-Trichloropheno	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2,4,5-Trichloropheno	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2,4,5-Trichloropheno	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2,4,5-Trichloropheno	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2,4,6-Trichloropheno	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2,4,6-Trichloropheno	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2,4,6-Trichloropheno	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2,4,6-Trichloropheno	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2,4,6-Trichloropheno	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-127

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter -----	Sample ID -----	Duplicate Sample ID -----	Value -----	Duplicate Value -----	Mean Value -----	Standard Deviation -----	RPD (%) -----
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
2,4,6-Trichlorophenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2,4-Dichlorophenol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2,4-Dichlorophenol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2,4-Dichlorophenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2,4-Dichlorophenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2,4-Dichlorophenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2,4-Dichlorophenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2,4-Dichlorophenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2,4-Dichlorophenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2,4-Dichlorophenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2,4-Dichlorophenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2,4-Dichlorophenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2,4-Dichlorophenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2,4-Dichlorophenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2,4-Dichlorophenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2,4-Dimethylphenol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2,4-Dimethylphenol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2,4-Dimethylphenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2,4-Dimethylphenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2,4-Dimethylphenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2,4-Dimethylphenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2,4-Dimethylphenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2,4-Dimethylphenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2,4-Dimethylphenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2,4-Dimethylphenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2,4-Dimethylphenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2,4-Dimethylphenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2,4-Dimethylphenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2,4-Dimethylphenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2,4-Dimethylphenol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2,4-Dimethylphenol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2,4-Dimethylphenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2,4-Dimethylphenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2,4-Dimethylphenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2,4-Dimethylphenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2,4-Dimethylphenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2,4-Dimethylphenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2,4-Dimethylphenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2,4-Dimethylphenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2,4-Dimethylphenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2,4-Dimethylphenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2,4-Dimethylphenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2,4-Dimethylphenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	04-SD-02-01	04-DS-01	ND	2.2	NC	NC	NC
2,4-Dinitrophenol	04-SS-01-01	04-DS-02	ND	2.8	NC	NC	NC
2,4-Dinitrophenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Characterable ND = Not Detected ( ) = Footnote Character

A-3-128



TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
2,4-Dinitrophenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2,4-Dinitrophenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2,4-Dinitrophenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2,4-Dinitrophenol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2,4-Dinitrophenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2,4-Dinitrophenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2,4-Dinitrophenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2,4-Dinitrophenol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2,4-Dinitrophenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2,4-Dinitrophenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2,4-Dinitrophenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2,4-Dinitrophenol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2,4-Dinitrophenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2,4-Dinitrophenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2,4-Dinitrophenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2,4-Dinitrophenol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2,4-Dinitrophenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2,4-Dinitrophenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2,4-Dinitrophenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-129

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOTL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
2,6-Dinitrotoluene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2,6-Dinitrotoluene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2,6-Dinitrotoluene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2,6-Dinitrotoluene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2,6-Dinitrotoluene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2,6-Dinitrotoluene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2,6-Dinitrotoluene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2-Chloronaphthalene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2-Chloronaphthalene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2-Chloronaphthalene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2-Chloronaphthalene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2-Chloronaphthalene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2-Chloronaphthalene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2-Chloronaphthalene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2-Chloronaphthalene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2-Chloronaphthalene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2-Chloronaphthalene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2-Chloronaphthalene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2-Chloronaphthalene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2-Chloronaphthalene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2-Chloronaphthalene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2-Chlorophenol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2-Chlorophenol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2-Chlorophenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2-Chlorophenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2-Chlorophenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2-Chlorophenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2-Chlorophenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2-Chlorophenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2-Chlorophenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2-Chlorophenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2-Chlorophenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Detectable

ND = Not Detected

( ) = Footnote Character

A-3-130

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
2-Chlorophenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2-Chlorophenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2-Chlorophenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2-Methylnaphthalene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2-Methylnaphthalene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2-Methylnaphthalene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2-Methylnaphthalene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2-Methylnaphthalene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2-Methylnaphthalene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2-Methylnaphthalene	06-MW-03-02	06-DS-01	0.043 (J)	0.14 (J)	0.0915	0.1	106
2-Methylnaphthalene	06-SB-01-01	06-DS-02	15.0	20.0 (E)	17.5	3.5	29
2-Methylnaphthalene	07-MW-03-02	07-DS-01	40.0	82.0	61	29.7	69
2-Methylnaphthalene	07-SS-01-01	07-DS-02	63.0	65.0	64	1.4	3
2-Methylnaphthalene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2-Methylnaphthalene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2-Methylnaphthalene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2-Methylnaphthalene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2-Methylphenol (o-cresol)	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2-Methylphenol (o-cresol)	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2-Methylphenol (o-cresol)	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2-Methylphenol (o-cresol)	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2-Methylphenol (o-cresol)	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2-Methylphenol (o-cresol)	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2-Methylphenol (o-cresol)	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2-Methylphenol (o-cresol)	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2-Methylphenol (o-cresol)	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2-Methylphenol (o-cresol)	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2-Methylphenol (o-cresol)	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2-Methylphenol (o-cresol)	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2-Methylphenol (o-cresol)	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2-Methylphenol (o-cresol)	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2-Nitroaniline	04-SD-02-01	04-DS-01	ND	2.2	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-131

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
2-Nitroaniline	04-SS-01-01	04-DS-02	ND	2.8	NC	NC	NC
2-Nitroaniline	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2-Nitroaniline	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2-Nitroaniline	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2-Nitroaniline	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2-Nitroaniline	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2-Nitroaniline	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2-Nitroaniline	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2-Nitroaniline	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2-Nitroaniline	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2-Nitroaniline	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2-Nitroaniline	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2-Nitroaniline	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2-Nitrophenol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2-Nitrophenol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2-Nitrophenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2-Nitrophenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2-Nitrophenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2-Nitrophenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2-Nitrophenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2-Nitrophenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2-Nitrophenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2-Nitrophenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2-Nitrophenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2-Nitrophenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2-Nitrophenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2-Nitrophenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
2-Nitrophenol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
2-Nitrophenol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
2-Nitrophenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
2-Nitrophenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
2-Nitrophenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
2-Nitrophenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
2-Nitrophenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
2-Nitrophenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
2-Nitrophenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
2-Nitrophenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
2-Nitrophenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
2-Nitrophenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
2-Nitrophenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
2-Nitrophenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
3,3'-Dichlorobenzidine	04-SD-02-01	04-DS-01	ND	0.89	NC	NC	NC
3,3'-Dichlorobenzidine	04-SS-01-01	04-DS-02	ND	1.1	NC	NC	NC
3,3'-Dichlorobenzidine	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
3,3'-Dichlorobenzidine	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
3,3'-Dichlorobenzidine	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Characterable ND = Not Detected ( ) = Footnote Character

A-3-132

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
3,3'-Dichlorobenzidine	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
3,3'-Dichlorobenzidine	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
3,3'-Dichlorobenzidine	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
3,3'-Dichlorobenzidine	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
3,3'-Dichlorobenzidine	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
3,3'-Dichlorobenzidine	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
3,3'-Dichlorobenzidine	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
3,3'-Dichlorobenzidine	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
3,3'-Dichlorobenzidine	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
3-Nitroaniline	04-SD-02-01	04-DS-01	ND	2.2	NC	NC	NC
3-Nitroaniline	04-SS-01-01	04-DS-02	ND	2.8	NC	NC	NC
3-Nitroaniline	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
3-Nitroaniline	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
3-Nitroaniline	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
3-Nitroaniline	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
3-Nitroaniline	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
3-Nitroaniline	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
3-Nitroaniline	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
3-Nitroaniline	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
3-Nitroaniline	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
3-Nitroaniline	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
3-Nitroaniline	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
3-Nitroaniline	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
4,6-Dinitro-2-methylphenol	04-SD-02-01	04-DS-01	ND	2.2	NC	NC	NC
4,6-Dinitro-2-methylphenol	04-SS-01-01	04-DS-02	ND	2.8	NC	NC	NC
4,6-Dinitro-2-methylphenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
4,6-Dinitro-2-methylphenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
4,6-Dinitro-2-methylphenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
4,6-Dinitro-2-methylphenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
4,6-Dinitro-2-methylphenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
4,6-Dinitro-2-methylphenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
4,6-Dinitro-2-methylphenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC

Method = SW8270, cont.  
Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
4,6-Dinitro-2-methylphenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
4,6-Dinitro-2-methylphenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
4,6-Dinitro-2-methylphenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
4,6-Dinitro-2-methylphenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
4,6-Dinitro-2-methylphenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
4-Bromophenyl phenyl ether	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
4-Bromophenyl phenyl ether	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
4-Bromophenyl phenyl ether	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
4-Bromophenyl phenyl ether	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
4-Bromophenyl phenyl ether	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
4-Bromophenyl phenyl ether	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
4-Bromophenyl phenyl ether	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
4-Bromophenyl phenyl ether	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
4-Bromophenyl phenyl ether	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
4-Bromophenyl phenyl ether	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
4-Bromophenyl phenyl ether	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
4-Bromophenyl phenyl ether	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
4-Bromophenyl phenyl ether	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
4-Bromophenyl phenyl ether	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
4-Chloro-3-methylphenol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
4-Chloro-3-methylphenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
4-Chloro-3-methylphenol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
4-Chloro-3-methylphenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
4-Chloro-3-methylphenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Cachable ND = Not Detected ( ) = Footnote Character

A-3-134

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
4-Chloro-3-methylphenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
4-Chlorophenyl phenyl ether	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
4-Chlorophenyl phenyl ether	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
4-Chlorophenyl phenyl ether	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
4-Chlorophenyl phenyl ether	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
4-Chlorophenyl phenyl ether	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
4-Chlorophenyl phenyl ether	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
4-Chlorophenyl phenyl ether	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
4-Chlorophenyl phenyl ether	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
4-Chlorophenyl phenyl ether	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
4-Chlorophenyl phenyl ether	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
4-Chlorophenyl phenyl ether	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
4-Chlorophenyl phenyl ether	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
4-Chlorophenyl phenyl ether	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
4-Chlorophenyl phenyl ether	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
4-Methylphenol (p-cresol)	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
4-Methylphenol (p-cresol)	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
4-Methylphenol (p-cresol)	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
4-Methylphenol (p-cresol)	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
4-Methylphenol (p-cresol)	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
4-Nitroaniline	04-SD-02-01	04-DS-01	ND	2.2	NC	NC	NC
4-Nitroaniline	04-SS-01-01	04-DS-02	ND	2.8	NC	NC	NC
4-Nitroaniline	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-135

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
4-Nitroaniline	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
4-Nitroaniline	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
4-Nitroaniline	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
4-Nitroaniline	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
4-Nitroaniline	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
4-Nitroaniline	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
4-Nitroaniline	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
4-Nitroaniline	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
4-Nitroaniline	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
4-Nitroaniline	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
4-Nitroaniline	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
4-Nitrophenol	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
4-Nitrophenol	04-SS-01-01	04-DS-02	ND	2.2	NC	NC	NC
4-Nitrophenol	05-SB-03-01	05-DS-01	ND	2.8	NC	NC	NC
4-Nitrophenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
4-Nitrophenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
4-Nitrophenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
4-Nitrophenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
4-Nitrophenol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
4-Nitrophenol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
4-Nitrophenol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
4-Nitrophenol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
4-Nitrophenol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
4-Nitrophenol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
4-Nitrophenol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Acenaphthene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Acenaphthene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Acenaphthene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Acenaphthene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Acenaphthene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Acenaphthene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Acenaphthene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Comparable

ND = Not Detected

( ) = Footnote Character



TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Acenaphthene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Acenaphthene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Acenaphthene	07-SS-01-01	07-DS-02	1.3 (J)	ND	NC	NC	NC
Acenaphthene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Acenaphthene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Acenaphthene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Acenaphthene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Acenaphthylene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Acenaphthylene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Acenaphthylene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Acenaphthylene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Acenaphthylene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Acenaphthylene	04-SS-01-01	04-DS-02	ND	0.026 (J)	NC	NC	NC
Acenaphthylene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Acenaphthylene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Acenaphthylene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Acenaphthylene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Acenaphthylene	04-SS-01-01	04-DS-02	ND	0.026 (J)	NC	NC	NC
Acenaphthylene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Acenaphthylene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Acenaphthylene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Anthracene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Anthracene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Anthracene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Anthracene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Anthracene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Anthracene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Anthracene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Anthracene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Anthracene	04-SS-01-01	04-DS-02	ND	0.026 (J)	NC	NC	NC
Anthracene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Anthracene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Anthracene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Anthracene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Anthracene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Anthracene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Anthracene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Anthracene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Anthracene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC

Method = SW8270, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-137

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Anthracene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Anthracene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Anthracene	10-SS-03-01	10-DS-02	0.012 (J)	ND	NC	NC	NC
Benzo(a)anthracene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Benzo(a)anthracene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Benzo(a)anthracene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Benzo(a)anthracene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Benzo(a)anthracene	05-SS-13-01	05-DS-03	0.015 (J)	0.015 (J)	0.015	0.0	0
Benzo(a)anthracene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Benzo(a)anthracene	06-MW-03-02	06-DS-01	0.025 (J)	0.011 (J)	0.018	0.0	78
Benzo(a)anthracene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Benzo(a)anthracene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Benzo(a)anthracene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Benzo(a)anthracene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Benzo(a)anthracene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Benzo(a)anthracene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Benzo(a)anthracene	10-SS-03-01	10-DS-02	0.041 (J)	ND	NC	NC	NC
Benzo(a)anthracene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Benzo(a)anthracene	04-SS-01-01	04-DS-02	0.021 (J)	0.039 (J)	0.03	0.0	60
Benzo(a)anthracene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Benzo(a)anthracene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Benzo(a)anthracene	05-SS-13-01	05-DS-03	0.020 (J)	0.021 (J)	0.0205	0.0	5
Benzo(a)anthracene	05-SD-01-01	05-DS-04	ND	0.0073 (J)	NC	NC	NC
Benzo(a)anthracene	06-MW-03-02	06-DS-01	0.026 (J)	0.0064 (J)	0.0162	0.0	121
Benzo(a)anthracene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Benzo(a)anthracene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Benzo(a)anthracene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Benzo(a)anthracene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Benzo(a)anthracene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Benzo(a)anthracene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Benzo(a)anthracene	10-SS-03-01	10-DS-02	0.076 (J)	0.058 (J)	0.067	0.0	27
Benzo(b)fluoranthene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC

Method = SW8270, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Confirmed    ND = Not Detected    ( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Benzo(b)fluoranthene	04-SS-01-01	04-DS-02	0.029 (J)	0.029 (J)	0.029	0.0	0
Benzo(b)fluoranthene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Benzo(b)fluoranthene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Benzo(b)fluoranthene	05-SS-13-01	05-DS-03	0.026 (J)	0.027 (J)	0.0265	0.0	4
Benzo(b)fluoranthene	05-SD-01-01	05-DS-04	ND	0.0095 (J)	NC	NC	NC
Benzo(b)fluoranthene	06-MW-03-02	06-DS-01	0.025 (JF)	0.016 (JX)	0.0205	0.0	44
Benzo(b)fluoranthene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Benzo(b)fluoranthene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Benzo(b)fluoranthene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Benzo(b)fluoranthene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Benzo(b)fluoranthene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Benzo(b)fluoranthene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Benzo(b)fluoranthene	10-SS-03-01	10-DS-02	0.092 (JF)	0.065 (JX)	0.0785	0.0	34
Benzo(g,h,i)perylene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Benzo(g,h,i)perylene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Benzo(g,h,i)perylene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Benzo(g,h,i)perylene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Benzo(g,h,i)perylene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Benzo(g,h,i)perylene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Benzo(g,h,i)perylene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Benzo(g,h,i)perylene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Benzo(g,h,i)perylene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Benzo(g,h,i)perylene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Benzo(g,h,i)perylene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Benzo(g,h,i)perylene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Benzo(g,h,i)perylene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Benzo(g,h,i)perylene	10-SS-03-01	10-DS-02	0.067 (J)	0.054 (J)	0.0605	0.0	21
Benzo(k)fluoranthene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Benzo(k)fluoranthene	04-SS-01-01	04-DS-02	0.019 (J)	0.016 (J)	0.0175	0.0	17
Benzo(k)fluoranthene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Benzo(k)fluoranthene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Benzo(k)fluoranthene	05-SS-13-01	05-DS-03	0.021 (J)	0.022 (J)	0.0215	0.0	5

Method = SW8270, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-139

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
Benzo(k)fluoranthene	05-SD-01-01	05-DS-04	ND	0.0080 (J)	NC	NC	NC
Benzo(k)fluoranthene	06-MW-03-02	06-DS-01	0.025 (JF)	0.016 (JX)	0.0205	0.0	44
Benzo(k)fluoranthene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Benzo(k)fluoranthene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Benzo(k)fluoranthene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Benzo(k)fluoranthene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Benzo(k)fluoranthene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Benzo(k)fluoranthene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Benzo(k)fluoranthene	10-SS-03-01	10-DS-02	0.092 (JF)	0.065 (JX)	0.0785	0.0	34
Benzoic acid	04-SD-02-01	04-DS-01	0.066 (J)	0.074 (J)	0.07	0.0	11
Benzoic acid	04-SS-01-01	04-DS-02	0.24 (J)	0.27 (J)	0.255	0.0	12
Benzoic acid	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Benzoic acid	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Benzoic acid	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Benzoic acid	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Benzoic acid	06-MW-03-02	06-DS-01	0.050 (J)	ND	NC	NC	NC
Benzoic acid	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Benzoic acid	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Benzoic acid	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Benzoic acid	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Benzoic acid	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Benzoic acid	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Benzoic acid	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Benzy1 alcohol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Benzy1 alcohol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Benzy1 alcohol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Benzy1 alcohol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Benzy1 alcohol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Benzy1 alcohol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Benzy1 alcohol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Benzy1 alcohol	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Benzy1 alcohol	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Confirmed    ND = Not Detected    ( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
Benzyl alcohol	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Benzyl alcohol	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Benzyl alcohol	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Benzyl alcohol	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Benzyl alcohol	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Butylbenzylphthalate	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Butylbenzylphthalate	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Butylbenzylphthalate	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Butylbenzylphthalate	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Butylbenzylphthalate	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Butylbenzylphthalate	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Butylbenzylphthalate	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Butylbenzylphthalate	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Butylbenzylphthalate	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Butylbenzylphthalate	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Butylbenzylphthalate	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Butylbenzylphthalate	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Butylbenzylphthalate	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Butylbenzylphthalate	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Chrysene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Chrysene	04-SS-01-01	04-DS-02	0.045 (J)	0.045 (J)	0.045	0.0	0
Chrysene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Chrysene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Chrysene	05-SS-13-01	05-DS-03	0.027 (J)	0.030 (J)	0.0285	0.0	11
Chrysene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Chrysene	06-MW-03-02	06-DS-01	0.032 (J)	ND	NC	NC	NC
Chrysene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Chrysene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Chrysene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Chrysene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Chrysene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Chrysene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-141

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
Chrysene	10-SS-03-01	10-DS-02	0.065 (J)	0.050 (J)	0.0575	0.0	26
Di-n-octylphthalate	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Di-n-octylphthalate	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Di-n-octylphthalate	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Di-n-octylphthalate	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Di-n-octylphthalate	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Di-n-octylphthalate	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Di-n-octylphthalate	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Di-n-octylphthalate	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Di-n-octylphthalate	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Di-n-octylphthalate	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Di-n-octylphthalate	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Di-n-octylphthalate	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Di-n-octylphthalate	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Di-n-octylphthalate	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Dibenz(a,h)anthracene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Dibenz(a,h)anthracene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Dibenz(a,h)anthracene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Dibenz(a,h)anthracene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Dibenz(a,h)anthracene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Dibenzofuran	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Dibenzofuran	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Dibenzofuran	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Characterizable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
Dibenzofuran	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Dibenzofuran	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Dibenzofuran	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Dibenzofuran	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Dibenzofuran	06-SB-01-01	06-DS-02	0.92 (J)	1.1 (J)	1.01	0.1	18
Dibenzofuran	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Dibenzofuran	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Dibenzofuran	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Dibenzofuran	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Dibenzofuran	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Dibenzofuran	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Dibutylphthalate	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Dibutylphthalate	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Dibutylphthalate	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Dibutylphthalate	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Dibutylphthalate	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Dibutylphthalate	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Dibutylphthalate	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Dibutylphthalate	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Dibutylphthalate	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Dibutylphthalate	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Dibutylphthalate	07-SD-01-01	07-DS-03	ND	0.95 (J)	NC	NC	NC
Dibutylphthalate	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Dibutylphthalate	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Dibutylphthalate	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Diethylphthalate	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Diethylphthalate	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Diethylphthalate	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Diethylphthalate	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Diethylphthalate	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Diethylphthalate	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Diethylphthalate	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-143

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Diethylphthalate	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Diethylphthalate	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Diethylphthalate	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Diethylphthalate	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Diethylphthalate	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Diethylphthalate	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Diethylphthalate	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Dimethylphthalate	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Dimethylphthalate	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Dimethylphthalate	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Dimethylphthalate	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Dimethylphthalate	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Dimethylphthalate	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Dimethylphthalate	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Dimethylphthalate	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Dimethylphthalate	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Dimethylphthalate	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Dimethylphthalate	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Dimethylphthalate	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Dimethylphthalate	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Dimethylphthalate	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Fluoranthene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Fluoranthene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Fluoranthene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Fluoranthene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Fluoranthene	05-SS-13-01	05-DS-03	0.029 (J)	0.029 (J)	0.029	0.0	0
Fluoranthene	05-SD-01-01	05-DS-04	0.013 (J)	0.010 (J)	0.0115	0.0	26
Fluoranthene	06-MW-03-02	06-DS-01	0.045 (J)	0.012 (J)	0.0285	0.0	116
Fluoranthene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Fluoranthene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Fluoranthene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Fluoranthene	07-SD-01-01	07-DS-03	ND	0.35 (J)	NC	NC	NC

Method = SW8270, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Cachable ND = Not Detected ( ) = Footnote Character



TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
Fluoranthene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Fluoranthene	10-MW-01-01	10-DS-01	ND	0.015 (J)	NC	NC	NC
Fluoranthene	10-SS-03-01	10-DS-02	0.079 (J)	0.054 (J)	0.0665	0.0	38
Fluorene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Fluorene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Fluorene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Fluorene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Fluorene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Fluorene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Fluorene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Fluorene	06-SB-01-01	06-DS-02	0.73 (J)	ND	NC	NC	NC
Fluorene	07-MW-03-02	07-DS-01	ND	1.8 (J)	NC	NC	NC
Fluorene	07-SS-01-01	07-DS-02	4.0 (J)	3.6 (J)	3.8	0.3	11
Fluorene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Fluorene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Fluorene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Fluorene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Hexachlorobenzene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Hexachlorobenzene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Hexachlorobenzene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Hexachlorobenzene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Hexachlorobenzene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Hexachlorobenzene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Hexachlorobenzene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Hexachlorobenzene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Hexachlorobenzene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Hexachlorobenzene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Hexachlorobenzene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Hexachlorobenzene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Hexachlorobenzene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Hexachlorobenzene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Hexachlorobenzene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Hexachlorobenzene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Hexachlorobenzene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Hexachlorobenzene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Hexachlorobenzene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Hexachlorobenzene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Hexachlorobenzene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Hexachlorobenzene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Hexachlorobenzene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Hexachlorobenzene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Hexachlorobenzene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Hexachlorobenzene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Hexachlorobenzene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Hexachlorobenzene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Hexachlorobutadiene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-145

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
Hexachlorobutadiene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Hexachlorobutadiene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Hexachlorobutadiene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Hexachlorobutadiene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Hexachlorobutadiene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Hexachlorobutadiene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Hexachlorobutadiene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Hexachlorobutadiene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Hexachlorobutadiene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Hexachlorobutadiene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Hexachlorobutadiene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Hexachlorobutadiene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Hexachlorobutadiene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Hexachlorocyclopentadiene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Hexachlorocyclopentadiene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Hexachlorocyclopentadiene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Hexachlorocyclopentadiene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Hexachlorocyclopentadiene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Hexachlorocyclopentadiene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Hexachlorocyclopentadiene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Hexachlorocyclopentadiene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Hexachlorocyclopentadiene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Hexachlorocyclopentadiene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Hexachlorocyclopentadiene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Hexachlorocyclopentadiene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Hexachlorocyclopentadiene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Hexachlorocyclopentadiene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Hexachloroethane	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Hexachloroethane	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Hexachloroethane	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Hexachloroethane	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Hexachloroethane	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Detectable

ND = Not Detected

() = Footnote Character

A-3-146

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
Hexachloroethane	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Hexachloroethane	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Hexachloroethane	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Hexachloroethane	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Hexachloroethane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Hexachloroethane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Hexachloroethane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Hexachloroethane	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Hexachloroethane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Indeno(1,2,3-cd)pyrene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Indeno(1,2,3-cd)pyrene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Indeno(1,2,3-cd)pyrene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Indeno(1,2,3-cd)pyrene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Indeno(1,2,3-cd)pyrene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Indeno(1,2,3-cd)pyrene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Indeno(1,2,3-cd)pyrene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Indeno(1,2,3-cd)pyrene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Indeno(1,2,3-cd)pyrene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Indeno(1,2,3-cd)pyrene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Indeno(1,2,3-cd)pyrene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Indeno(1,2,3-cd)pyrene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Indeno(1,2,3-cd)pyrene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Indeno(1,2,3-cd)pyrene	10-SS-03-01	10-DS-02	0.068 (J)	0.053 (J)	0.0605	0.0	25
Isophorone	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Isophorone	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Isophorone	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Isophorone	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Isophorone	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Isophorone	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Isophorone	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Isophorone	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Isophorone	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Isophorone	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Isophorone	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Isophorone	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Isophorone	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Isophorone	10-SS-03-01	10-DS-02	0.068 (J)	0.053 (J)	0.0605	0.0	25
Isophorone	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Isophorone	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Isophorone	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Isophorone	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Isophorone	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Isophorone	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Isophorone	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Isophorone	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Isophorone	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-147

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter -----	Sample ID -----	Duplicate Sample ID -----	Value -----	Duplicate Value -----	Mean Value -----	Standard Deviation -----	RPD (%) -----
Method = SW8270, cont. Type = Field Duplicate, cont.							
Isophorone	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Isophorone	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Isophorone	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Isophorone	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Isophorone	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
N-Nitrosodiphenylamine	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
N-Nitrosodiphenylamine	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
N-Nitrosodiphenylamine	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
N-Nitrosodiphenylamine	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
N-Nitrosodiphenylamine	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
N-Nitrosodiphenylamine	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
N-Nitrosodiphenylamine	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
N-Nitrosodiphenylamine	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
N-Nitrosodiphenylamine	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Cachable ND = Not Detected ( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
N-Nitrosodipropylamine	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Naphthalene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Naphthalene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Naphthalene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Naphthalene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Naphthalene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Naphthalene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Naphthalene	06-MW-03-02	06-DS-01	0.036 (J)	0.059 (J)	0.0475	0.0	48
Naphthalene	06-SB-01-01	06-DS-02	3.2 (J)	4.6 (J)	3.9	1.0	36
Naphthalene	07-MW-03-02	07-DS-01	8.6 (J)	19.0 (Q)	13.8	7.4	75
Naphthalene	07-SS-01-01	07-DS-02	12.0	14.0 (Q)	13	1.4	15
Naphthalene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Naphthalene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Naphthalene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Naphthalene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Nitrobenzene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Nitrobenzene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Nitrobenzene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Nitrobenzene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Nitrobenzene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Nitrobenzene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Nitrobenzene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Nitrobenzene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Nitrobenzene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Nitrobenzene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Nitrobenzene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Nitrobenzene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Nitrobenzene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Nitrobenzene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Nitrobenzene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Nitrobenzene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Nitrobenzene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Nitrobenzene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Nitrobenzene	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Nitrobenzene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Nitrobenzene	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Nitrobenzene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Nitrobenzene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Nitrobenzene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Nitrobenzene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Nitrobenzene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Nitrobenzene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Nitrobenzene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Nitrobenzene	04-SD-02-01	04-DS-01	ND	2.2	NC	NC	NC
Nitrobenzene	04-SS-01-01	04-DS-02	ND	2.8	NC	NC	NC
Nitrobenzene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-149

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
Pentachloropheno]	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Pentachloropheno]	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Pentachloropheno]	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Pentachloropheno]	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
Pentachloropheno]	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Pentachloropheno]	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Pentachloropheno]	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Pentachloropheno]	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Pentachloropheno]	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Pentachloropheno]	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Pentachloropheno]	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Phenanthrene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Phenanthrene	04-SS-01-01	04-DS-02	ND	0.014 (J)	NC	NC	NC
Phenanthrene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Phenanthrene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Phenanthrene	05-SS-13-01	05-DS-03	ND	0.014 (J)	NC	NC	NC
Phenanthrene	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Phenanthrene	06-MW-03-02	06-DS-01	0.031 (J)	0.018 (J)	0.0245	0.0	53
Phenanthrene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Phenanthrene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Phenanthrene	07-SS-01-01	07-DS-02	0.30 (J)	ND	NC	NC	NC
Phenanthrene	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Phenanthrene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Phenanthrene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Phenanthrene	10-SS-03-01	10-DS-02	0.037 (J)	ND	NC	NC	NC
Phenol	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Phenol	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Phenol	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Phenol	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Phenol	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
Phenol	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
Phenol	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not C

ND = Not Detected

( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Pheno1	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Pheno1	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Pheno1	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Pheno1	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
Pheno1	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Pheno1	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Pheno1	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Pyrene	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
Pyrene	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
Pyrene	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
Pyrene	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
Pyrene	05-SS-13-01	05-DS-03	0.028 (J)	0.033 (J)	0.0305	0.0	16
Pyrene	05-SD-01-01	05-DS-04	0.014 (J)	0.013 (J)	0.0135	0.0	7
Pyrene	06-MW-03-02	06-DS-01	0.041 (J)	0.010 (J)	0.0255	0.0	122
Pyrene	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
Pyrene	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
Pyrene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Pyrene	07-SD-01-01	07-DS-03	ND	0.33 (J)	NC	NC	NC
Pyrene	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
Pyrene	10-MW-01-01	10-DS-01	ND	0.014 (J)	NC	NC	NC
Pyrene	10-SS-03-01	10-DS-02	0.074 (J)	0.053 (J)	0.0635	0.0	33
bis(2-Chloroethoxy)methane	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
bis(2-Chloroethoxy)methane	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
bis(2-Chloroethoxy)methane	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroethoxy)methane	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
bis(2-Chloroethoxy)methane	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
bis(2-Chloroethoxy)methane	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
bis(2-Chloroethoxy)methane	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroethoxy)methane	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
bis(2-Chloroethoxy)methane	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroethoxy)methane	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
bis(2-Chloroethoxy)methane	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC

Method = SW8270, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-151

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter -----	Sample ID -----	Duplicate Sample ID -----	Value -----	Duplicate Value -----	Mean Value -----	Standard Deviation -----	RPD (%) -----
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
bis(2-Chloroethoxy)methane	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroethoxy)methane	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroethoxy)methane	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
bis(2-Chloroethyl)ether	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
bis(2-Chloroethyl)ether	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
bis(2-Chloroethyl)ether	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroethyl)ether	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
bis(2-Chloroethyl)ether	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
bis(2-Chloroethyl)ether	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
bis(2-Chloroethyl)ether	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroethyl)ether	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
bis(2-Chloroethyl)ether	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroethyl)ether	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
bis(2-Chloroethyl)ether	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
bis(2-Chloroethyl)ether	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroethyl)ether	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroethyl)ether	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
bis(2-Chloroisopropyl)ether	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
bis(2-Chloroisopropyl)ether	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
bis(2-Chloroisopropyl)ether	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroisopropyl)ether	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
bis(2-Chloroisopropyl)ether	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
bis(2-Chloroisopropyl)ether	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
bis(2-Chloroisopropyl)ether	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroisopropyl)ether	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
bis(2-Chloroisopropyl)ether	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroisopropyl)ether	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
bis(2-Chloroisopropyl)ether	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
bis(2-Chloroisopropyl)ether	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroisopropyl)ether	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
bis(2-Chloroisopropyl)ether	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
bis(2-Ethylhexyl)phthalate	04-SD-02-01	04-DS-01	0.032 (J)	0.44	0.236	0.3	173

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

( ) = Footnote Character



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Field Duplicate, cont.							
bis(2-Ethylhexyl)phthalate	04-SS-01-01	04-DS-02	0.20 (J)	0.084 (JB)	0.142	0.1	82
bis(2-Ethylhexyl)phthalate	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
bis(2-Ethylhexyl)phthalate	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
bis(2-Ethylhexyl)phthalate	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
bis(2-Ethylhexyl)phthalate	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
bis(2-Ethylhexyl)phthalate	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
bis(2-Ethylhexyl)phthalate	06-SB-01-01	06-DS-02	3.1 (J)	0.82 (J)	1.96	1.6	116
bis(2-Ethylhexyl)phthalate	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
bis(2-Ethylhexyl)phthalate	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
bis(2-Ethylhexyl)phthalate	07-SD-01-01	07-DS-03	0.74 (J)	ND	NC	NC	NC
bis(2-Ethylhexyl)phthalate	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
bis(2-Ethylhexyl)phthalate	10-MW-01-01	10-DS-01	ND	0.019 (J)	NC	NC	NC
bis(2-Ethylhexyl)phthalate	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
p-Chloroaniline	04-SD-02-01	04-DS-01	ND	0.44	NC	NC	NC
p-Chloroaniline	04-SS-01-01	04-DS-02	ND	0.56	NC	NC	NC
p-Chloroaniline	05-SB-03-01	05-DS-01	ND	ND	NC	NC	NC
p-Chloroaniline	05-MW-03-02	05-DS-02	ND	ND	NC	NC	NC
p-Chloroaniline	05-SS-13-01	05-DS-03	ND	ND	NC	NC	NC
p-Chloroaniline	05-SD-01-01	05-DS-04	ND	ND	NC	NC	NC
p-Chloroaniline	06-MW-03-02	06-DS-01	ND	ND	NC	NC	NC
p-Chloroaniline	06-SB-01-01	06-DS-02	ND	ND	NC	NC	NC
p-Chloroaniline	07-MW-03-02	07-DS-01	ND	ND	NC	NC	NC
p-Chloroaniline	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
p-Chloroaniline	07-SD-01-01	07-DS-03	ND	ND	NC	NC	NC
p-Chloroaniline	09-MW-06-02	09-DS-01	ND	ND	NC	NC	NC
p-Chloroaniline	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
p-Chloroaniline	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Type = Laboratory Control							
1,2,4-Trichlorobenzene	LCS	LCS DUP	86.0	82.0	84	2.8	5
1,2,4-Trichlorobenzene	LCS	LCS DUP	85.0	76.0	80.5	6.4	11
1,2,4-Trichlorobenzene	LCS	LCS DUP	83.0	85.0	84	1.4	2

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-153

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
1,2,4-Trichlorobenzene	LCS	LCS DUP	89.0	91.0	90	1.4	2
1,2,4-Trichlorobenzene	LCS	LCS DUP	82.0	78.0	80	2.8	5
1,2,4-Trichlorobenzene	LCS	LCS DUP	89.0	90.0	89.5	0.7	1
1,2,4-Trichlorobenzene	LCS	LCS DUP	95.0	95.0	95	0.0	0
1,2,4-Trichlorobenzene	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
1,2,4-Trichlorobenzene	LCS	LCS DUP	73.0	90.0	81.5	12.0	21
1,2,4-Trichlorobenzene	LCS	LCS DUP	101.0	98.0	99.5	2.1	3
1,2,4-Trichlorobenzene	LCS	LCS DUP	86.0	89.0	87.5	2.1	3
1,2,4-Trichlorobenzene	LCS	LCS DUP	95.0	85.0	90	7.1	11
1,2,4-Trichlorobenzene	LCS	LCS DUP	83.0	86.0	84.5	2.1	4
1,2,4-Trichlorobenzene	LCS	LCS DUP	100.0	103.0	101.5	2.1	3
1,2,4-Trichlorobenzene	LCS	LCS DUP	110.0	110.0	110	0.0	0
1,2,4-Trichlorobenzene	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
1,2,4-Trichlorobenzene	LCS	LCS DUP	90.0	90.0	90	0.0	0
1,2,4-Trichlorobenzene	LCS	LCS DUP	87.0	85.0	86	1.4	2
1,2,4-Trichlorobenzene	LCS	LCS DUP	91.0	93.0	92	1.4	2
1,2,4-Trichlorobenzene	LCS	LCS DUP	93.0	96.0	94.5	2.1	3
1,2,4-Trichlorobenzene	LCS	LCS DUP	95.0	98.0	96.5	2.1	3
1,2,4-Trichlorobenzene	LCS	LCS DUP	92.0	79.0	85.5	9.2	15
1,2,4-Trichlorobenzene	LCS	LCS DUP	50.0	46.0	48	2.8	8
1,2,4-Trichlorobenzene	LCS	LCS DUP	94.0	90.0	92	2.8	4
1,2,4-Trichlorobenzene	LCS	LCS DUP	104.0	98.0	101	4.2	6
1,2-Dichlorobenzene	LCS	LCS DUP	93.0	89.0	91	2.8	4
1,2-Dichlorobenzene	LCS	LCS DUP	89.0	80.0	84.5	6.4	11
1,2-Dichlorobenzene	LCS	LCS DUP	86.0	91.0	88.5	3.5	6
1,2-Dichlorobenzene	LCS	LCS DUP	90.0	93.0	91.5	2.1	3
1,2-Dichlorobenzene	LCS	LCS DUP	79.0	74.0	76.5	3.5	7
1,2-Dichlorobenzene	LCS	LCS DUP	91.0	93.0	92	1.4	2
1,2-Dichlorobenzene	LCS	LCS DUP	100.0	100.0	100	0.0	0
1,2-Dichlorobenzene	LCS	LCS DUP	91.0	94.0	92.5	2.1	3
1,2-Dichlorobenzene	LCS	LCS DUP	42.0 (Y)	89.0 (Y)	65.5	33.2	72
1,2-Dichlorobenzene	LCS	LCS DUP	103.0	101.0	102	1.4	2

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

( ) = Footnote Character

A-3-154

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
1,2-Dichlorobenzene	LCS	LCS DUP	93.0	94.0	93.5	0.7	1
1,2-Dichlorobenzene	LCS	LCS DUP	108.0	94.0	101	9.9	14
1,2-Dichlorobenzene	LCS	LCS DUP	92.0	96.0	94	2.8	4
1,2-Dichlorobenzene	LCS	LCS DUP	102.0	104.0	103	1.4	2
1,2-Dichlorobenzene	LCS	LCS DUP	121.0	120.0	120.5	0.7	1
1,2-Dichlorobenzene	LCS	LCS DUP	103.0	109.0	106	4.2	6
1,2-Dichlorobenzene	LCS	LCS DUP	98.0	99.0	98.5	0.7	1
1,2-Dichlorobenzene	LCS	LCS DUP	91.0	95.0	93	2.8	4
1,2-Dichlorobenzene	LCS	LCS DUP	97.0	102.0	99.5	3.5	5
1,2-Dichlorobenzene	LCS	LCS DUP	95.0	99.0	97	2.8	4
1,2-Dichlorobenzene	LCS	LCS DUP	108.0	107.0	107.5	0.7	1
1,2-Dichlorobenzene	LCS	LCS DUP	103.0	80.0	91.5	16.3	25
1,2-Dichlorobenzene	LCS	LCS DUP	16.0 (Q)	12.0 (Q)	14	2.8	29
1,2-Dichlorobenzene	LCS	LCS DUP	100.0	94.0	97	4.2	6
1,2-Dichlorobenzene	LCS	LCS DUP	104.0	95.0	99.5	6.4	9
1,3-Dichlorobenzene	LCS	LCS DUP	92.0	89.0	90.5	2.1	3
1,3-Dichlorobenzene	LCS	LCS DUP	88.0	78.0	83	7.1	12
1,3-Dichlorobenzene	LCS	LCS DUP	86.0	89.0	87.5	2.1	3
1,3-Dichlorobenzene	LCS	LCS DUP	88.0	92.0	90	2.8	4
1,3-Dichlorobenzene	LCS	LCS DUP	75.0	72.0	73.5	2.1	4
1,3-Dichlorobenzene	LCS	LCS DUP	90.0	92.0	91	1.4	2
1,3-Dichlorobenzene	LCS	LCS DUP	91.0	93.0	92	1.4	2
1,3-Dichlorobenzene	LCS	LCS DUP	88.0	91.0	89.5	2.1	3
1,3-Dichlorobenzene	LCS	LCS DUP	32.0 (Y)	86.0 (Y)	59	38.2	92
1,3-Dichlorobenzene	LCS	LCS DUP	100.0	98.0	99	1.4	2
1,3-Dichlorobenzene	LCS	LCS DUP	89.0	90.0	89.5	0.7	1
1,3-Dichlorobenzene	LCS	LCS DUP	98.0	88.0	93	7.1	11
1,3-Dichlorobenzene	LCS	LCS DUP	84.0	89.0	86.5	3.5	6
1,3-Dichlorobenzene	LCS	LCS DUP	99.0	98.0	98.5	0.7	1
1,3-Dichlorobenzene	LCS	LCS DUP	110.0	115.0	112.5	3.5	4
1,3-Dichlorobenzene	LCS	LCS DUP	96.0	96.0	96	0.0	0
1,3-Dichlorobenzene	LCS	LCS DUP	93.0	88.0	90.5	3.5	6

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-155

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
1,3-Dichlorobenzene	LCS	LCS DUP	85.0	88.0	86.5	2.1	3
1,3-Dichlorobenzene	LCS	LCS DUP	92.0	96.0	94	2.8	4
1,3-Dichlorobenzene	LCS	LCS DUP	90.0	94.0	92	2.8	4
1,3-Dichlorobenzene	LCS	LCS DUP	101.0	97.0	99	2.8	4
1,3-Dichlorobenzene	LCS	LCS DUP	93.0	78.0	85.5	10.6	18
1,3-Dichlorobenzene	LCS	LCS DUP	11.0	7.0	9	2.8	44
1,3-Dichlorobenzene	LCS	LCS DUP	95.0	90.0	92.5	3.5	5
1,3-Dichlorobenzene	LCS	LCS DUP	99.0	90.0	94.5	6.4	10
1,4-Dichlorobenzene	LCS	LCS DUP	87.0	85.0	86	1.4	2
1,4-Dichlorobenzene	LCS	LCS DUP	84.0	75.0	79.5	6.4	11
1,4-Dichlorobenzene	LCS	LCS DUP	82.0	86.0	84	2.8	5
1,4-Dichlorobenzene	LCS	LCS DUP	85.0	88.0	86.5	2.1	3
1,4-Dichlorobenzene	LCS	LCS DUP	74.0	69.0	71.5	3.5	7
1,4-Dichlorobenzene	LCS	LCS DUP	86.0	89.0	87.5	2.1	3
1,4-Dichlorobenzene	LCS	LCS DUP	94.0	95.0	94.5	0.7	1
1,4-Dichlorobenzene	LCS	LCS DUP	84.0	86.0	85	1.4	2
1,4-Dichlorobenzene	LCS	LCS DUP	32.0 (Y)	81.0 (Y)	56.5	34.6	87
1,4-Dichlorobenzene	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
1,4-Dichlorobenzene	LCS	LCS DUP	84.0	85.0	84.5	0.7	1
1,4-Dichlorobenzene	LCS	LCS DUP	102.0	90.0	96	8.5	13
1,4-Dichlorobenzene	LCS	LCS DUP	86.0	90.0	88	2.8	5
1,4-Dichlorobenzene	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
1,4-Dichlorobenzene	LCS	LCS DUP	116.0	117.0	116.5	0.7	1
1,4-Dichlorobenzene	LCS	LCS DUP	96.0	102.0	99	4.2	6
1,4-Dichlorobenzene	LCS	LCS DUP	92.0	92.0	92	0.0	0
1,4-Dichlorobenzene	LCS	LCS DUP	86.0	89.0	87.5	2.1	3
1,4-Dichlorobenzene	LCS	LCS DUP	88.0	91.0	89.5	2.1	3
1,4-Dichlorobenzene	LCS	LCS DUP	84.0	89.0	86.5	3.5	6
1,4-Dichlorobenzene	LCS	LCS DUP	100.0	101.0	100.5	0.7	1
1,4-Dichlorobenzene	LCS	LCS DUP	92.0	73.0	82.5	13.4	23
1,4-Dichlorobenzene	LCS	LCS DUP	10.0 (Q)	7.0 (Q)	8.5	2.1	35
1,4-Dichlorobenzene	LCS	LCS DUP	96.0	91.0	93.5	3.5	5

Compiled: 11 May 1994

NC = Not Confirmed      ND = Not Detected      ( ) = Footnote Character

A-3-156

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
1,4-Dichlorobenzene	LCS	LCS DUP	92.0	84.0	88	5.7	9
2,4,5-Trichloropheno	LCS	LCS DUP	82.0	83.0	82.5	0.7	1
2,4,5-Trichloropheno	LCS	LCS DUP	84.0	74.0	79	7.1	13
2,4,5-Trichloropheno	LCS	LCS DUP	85.0	88.0	86.5	2.1	3
2,4,5-Trichloropheno	LCS	LCS DUP	88.0	89.0	88.5	0.7	1
2,4,5-Trichloropheno	LCS	LCS DUP	86.0	82.0	84	2.8	5
2,4,5-Trichloropheno	LCS	LCS DUP	95.0	97.0	96	1.4	2
2,4,5-Trichloropheno	LCS	LCS DUP	92.0	96.0	94	2.8	4
2,4,5-Trichloropheno	LCS	LCS DUP	85.0	85.0	85	0.0	0
2,4,5-Trichloropheno	LCS	LCS DUP	79.0	82.0	80.5	2.1	4
2,4,5-Trichloropheno	LCS	LCS DUP	90.0	88.0	89	1.4	2
2,4,5-Trichloropheno	LCS	LCS DUP	80.0	84.0	82	2.8	5
2,4,5-Trichloropheno	LCS	LCS DUP	93.0	95.0	94	1.4	2
2,4,5-Trichloropheno	LCS	LCS DUP	80.0	84.0	82	2.8	5
2,4,5-Trichloropheno	LCS	LCS DUP	81.0	86.0	83.5	3.5	6
2,4,5-Trichloropheno	LCS	LCS DUP	74.0	88.0	81	9.9	17
2,4,5-Trichloropheno	LCS	LCS DUP	88.0	91.0	89.5	2.1	3
2,4,5-Trichloropheno	LCS	LCS DUP	98.0	92.0	95	4.2	6
2,4,5-Trichloropheno	LCS	LCS DUP	95.0	90.0	92.5	3.5	5
2,4,5-Trichloropheno	LCS	LCS DUP	86.0	91.0	88.5	3.5	6
2,4,5-Trichloropheno	LCS	LCS DUP	84.0	100.0	92	11.3	17
2,4,5-Trichloropheno	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
2,4,5-Trichloropheno	LCS	LCS DUP	90.0	87.0	88.5	2.1	3
2,4,5-Trichloropheno	LCS	LCS DUP	84.0	84.0	84	0.0	0
2,4,5-Trichloropheno	LCS	LCS DUP	102.0	96.0	99	4.2	6
2,4,5-Trichloropheno	LCS	LCS DUP	98.0	94.0	96	2.8	4
2,4,6-Trichloropheno	LCS	LCS DUP	65.0	65.0	65	0.0	0
2,4,6-Trichloropheno	LCS	LCS DUP	68.0	60.0	64	5.7	13
2,4,6-Trichloropheno	LCS	LCS DUP	67.0	69.0	68	1.4	3
2,4,6-Trichloropheno	LCS	LCS DUP	70.0	72.0	71	1.4	3
2,4,6-Trichloropheno	LCS	LCS DUP	69.0	65.0	67	2.8	6
2,4,6-Trichloropheno	LCS	LCS DUP	75.0	78.0	76.5	2.1	4

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-157

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
2,4,6-Trichloropheno[	LCS	LCS DUP	74.0	76.0	75	1.4	3
2,4,6-Trichloropheno[	LCS	LCS DUP	72.0	73.0	72.5	0.7	1
2,4,6-Trichloropheno[	LCS	LCS DUP	64.0	67.0	65.5	2.1	5
2,4,6-Trichloropheno[	LCS	LCS DUP	75.0	73.0	74	1.4	3
2,4,6-Trichloropheno[	LCS	LCS DUP	66.0	69.0	67.5	2.1	4
2,4,6-Trichloropheno[	LCS	LCS DUP	71.0	74.0	72.5	2.1	4
2,4,6-Trichloropheno[	LCS	LCS DUP	62.0	67.0	64.5	3.5	8
2,4,6-Trichloropheno[	LCS	LCS DUP	65.0	69.0	67	2.8	6
2,4,6-Trichloropheno[	LCS	LCS DUP	67.0	71.0	69	2.8	6
2,4,6-Trichloropheno[	LCS	LCS DUP	67.0	72.0	69.5	3.5	7
2,4,6-Trichloropheno[	LCS	LCS DUP	78.0	72.0	75	4.2	8
2,4,6-Trichloropheno[	LCS	LCS DUP	76.0	72.0	74	2.8	5
2,4,6-Trichloropheno[	LCS	LCS DUP	73.0	75.0	74	1.4	3
2,4,6-Trichloropheno[	LCS	LCS DUP	68.0	82.0	75	9.9	19
2,4,6-Trichloropheno[	LCS	LCS DUP	76.0	73.0	74.5	2.1	4
2,4,6-Trichloropheno[	LCS	LCS DUP	73.0	70.0	71.5	2.1	4
2,4,6-Trichloropheno[	LCS	LCS DUP	69.0	66.0	67.5	2.1	4
2,4,6-Trichloropheno[	LCS	LCS DUP	78.0	76.0	77	1.4	3
2,4,6-Trichloropheno[	LCS	LCS DUP	79.0	76.0	77.5	2.1	4
2,4-Dichloropheno[	LCS	LCS DUP	75.0	75.0	75	0.0	0
2,4-Dichloropheno[	LCS	LCS DUP	78.0	70.0	74	5.7	11
2,4-Dichloropheno[	LCS	LCS DUP	78.0	81.0	79.5	2.1	4
2,4-Dichloropheno[	LCS	LCS DUP	83.0	85.0	84	1.4	2
2,4-Dichloropheno[	LCS	LCS DUP	79.0	76.0	77.5	2.1	4
2,4-Dichloropheno[	LCS	LCS DUP	87.0	90.0	88.5	2.1	3
2,4-Dichloropheno[	LCS	LCS DUP	88.0	93.0	90.5	3.5	6
2,4-Dichloropheno[	LCS	LCS DUP	85.0	88.0	86.5	2.1	3
2,4-Dichloropheno[	LCS	LCS DUP	73.0	81.0	77	5.7	10
2,4-Dichloropheno[	LCS	LCS DUP	91.0	88.0	89.5	2.1	3
2,4-Dichloropheno[	LCS	LCS DUP	81.0	82.0	81.5	0.7	1
2,4-Dichloropheno[	LCS	LCS DUP	88.0	84.0	86	2.8	5
2,4-Dichloropheno[	LCS	LCS DUP	77.0	80.0	78.5	2.1	4

Compiled: 11 May 1994

NC = Not Cachable ND = Not Detected ( ) = Footnote Character

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
2,4-Dichlorophenol	LCS	LCS DUP	81.0	84.0	82.5	2.1	4
2,4-Dichlorophenol	LCS	LCS DUP	80.0	81.0	80.5	0.7	1
2,4-Dichlorophenol	LCS	LCS DUP	80.0	85.0	82.5	3.5	6
2,4-Dichlorophenol	LCS	LCS DUP	90.0	89.0	89.5	0.7	1
2,4-Dichlorophenol	LCS	LCS DUP	85.0	84.0	84.5	0.7	1
2,4-Dichlorophenol	LCS	LCS DUP	89.0	90.0	89.5	0.7	1
2,4-Dichlorophenol	LCS	LCS DUP	78.0	82.0	80	2.8	5
2,4-Dichlorophenol	LCS	LCS DUP	91.0	89.0	90	1.4	2
2,4-Dichlorophenol	LCS	LCS DUP	88.0	72.0	80	11.3	20
2,4-Dichlorophenol	LCS	LCS DUP	67.0	65.0	66	1.4	3
2,4-Dichlorophenol	LCS	LCS DUP	92.0	86.0	89	4.2	7
2,4-Dichlorophenol	LCS	LCS DUP	99.0	94.0	96.5	3.5	5
2,4-Dimethylphenol	LCS	LCS DUP	48.0	47.0	47.5	0.7	2
2,4-Dimethylphenol	LCS	LCS DUP	48.0	41.0	44.5	4.9	16
2,4-Dimethylphenol	LCS	LCS DUP	40.0	39.0	39.5	0.7	3
2,4-Dimethylphenol	LCS	LCS DUP	60.0	61.0	60.5	0.7	2
2,4-Dimethylphenol	LCS	LCS DUP	48.0	46.0	47	1.4	4
2,4-Dimethylphenol	LCS	LCS DUP	58.0	59.0	58.5	0.7	2
2,4-Dimethylphenol	LCS	LCS DUP	56.0	63.0	59.5	4.9	12
2,4-Dimethylphenol	LCS	LCS DUP	50.0	57.0	53.5	4.9	13
2,4-Dimethylphenol	LCS	LCS DUP	63.0	68.0	65.5	3.5	8
2,4-Dimethylphenol	LCS	LCS DUP	63.0	55.0	59	5.7	14
2,4-Dimethylphenol	LCS	LCS DUP	44.0	42.0	43	1.4	5
2,4-Dimethylphenol	LCS	LCS DUP	58.0	51.0	54.5	4.9	13
2,4-Dimethylphenol	LCS	LCS DUP	46.0	38.0	42	5.7	19
2,4-Dimethylphenol	LCS	LCS DUP	46.0	51.0	48.5	3.5	10
2,4-Dimethylphenol	LCS	LCS DUP	45.0	47.0	46	1.4	4
2,4-Dimethylphenol	LCS	LCS DUP	44.0	50.0	47	4.2	13
2,4-Dimethylphenol	LCS	LCS DUP	71.0	71.0	71	0.0	0
2,4-Dimethylphenol	LCS	LCS DUP	95.0	92.0	93.5	2.1	3
2,4-Dimethylphenol	LCS	LCS DUP	48.0	50.0	49	1.4	4
2,4-Dimethylphenol	LCS	LCS DUP	45.0	46.0	45.5	0.7	2

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
2,4-Dimethylphenol	LCS	LCS DUP	48.0	50.0	49	1.4	4
2,4-Dimethylphenol	LCS	LCS DUP	66.0	55.0	60.5	7.8	18
2,4-Dimethylphenol	LCS	LCS DUP	70.0	65.0	67.5	3.5	7
2,4-Dimethylphenol	LCS	LCS DUP	53.0	51.0	52	1.4	4
2,4-Dimethylphenol	LCS	LCS DUP	59.0	56.0	57.5	2.1	5
2,4-Dinitrophenol	LCS	LCS DUP	95.0	145.0	120	35.4	42
2,4-Dinitrophenol	LCS	LCS DUP	169.0	135.0	152	24.0	22
2,4-Dinitrophenol	LCS	LCS DUP	173.0	185.0	179	8.5	7
2,4-Dinitrophenol	LCS	LCS DUP	167.0	159.0	163	5.7	5
2,4-Dinitrophenol	LCS	LCS DUP	168.0	159.0	163.5	6.4	6
2,4-Dinitrophenol	LCS	LCS DUP	197.0	207.0 (Q)	202	7.1	5
2,4-Dinitrophenol	LCS	LCS DUP	164.0	159.0	161.5	3.5	3
2,4-Dinitrophenol	LCS	LCS DUP	100.0	101.0	100.5	0.7	1
2,4-Dinitrophenol	LCS	LCS DUP	69.0	73.0	71	2.8	6
2,4-Dinitrophenol	LCS	LCS DUP	107.0	104.0	105.5	2.1	3
2,4-Dinitrophenol	LCS	LCS DUP	94.0	100.0	97	4.2	6
2,4-Dinitrophenol	LCS	LCS DUP	171.0	167.0	169	2.8	2
2,4-Dinitrophenol	LCS	LCS DUP	130.0	148.0	139	12.7	13
2,4-Dinitrophenol	LCS	LCS DUP	88.0	97.0	92.5	6.4	10
2,4-Dinitrophenol	LCS	LCS DUP	116.0	154.0	135	26.9	28
2,4-Dinitrophenol	LCS	LCS DUP	150.0	155.0	152.5	3.5	3
2,4-Dinitrophenol	LCS	LCS DUP	125.0	133.0	129	5.7	6
2,4-Dinitrophenol	LCS	LCS DUP	148.0	149.0	148.5	0.7	1
2,4-Dinitrophenol	LCS	LCS DUP	102.0	110.0	106	5.7	8
2,4-Dinitrophenol	LCS	LCS DUP	85.0	87.0	86	1.4	2
2,4-Dinitrophenol	LCS	LCS DUP	161.0	166.0	163.5	3.5	3
2,4-Dinitrophenol	LCS	LCS DUP	120.0	109.0	114.5	7.8	10
2,4-Dinitrophenol	LCS	LCS DUP	147.0	157.0	152	7.1	7
2,4-Dinitrophenol	LCS	LCS DUP	184.0	181.0	182.5	2.1	2
2,4-Dinitrophenol	LCS	LCS DUP	121.0	115.0	118	4.2	5
2,4-Dinitrophenol	LCS	LCS DUP	116.0	116.0	116	0.0	0
2,4-Dinitrotoluene	LCS	LCS DUP	120.0	102.0	111	12.7	16

Compiled: 11 May 1994

NC = Not Characterizable

ND = Not Detected

() = Footnote Character



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
2,4-Dinitrotoluene	LCS	LCS DUP	118.0	121.0	119.5	2.1	3
2,4-Dinitrotoluene	LCS	LCS DUP	123.0	125.0	124	1.4	2
2,4-Dinitrotoluene	LCS	LCS DUP	121.0	117.0	119	2.8	3
2,4-Dinitrotoluene	LCS	LCS DUP	125.0	125.0	125	0.0	0
2,4-Dinitrotoluene	LCS	LCS DUP	97.0	96.0	96.5	0.7	1
2,4-Dinitrotoluene	LCS	LCS DUP	100.0	100.0	100	0.0	0
2,4-Dinitrotoluene	LCS	LCS DUP	100.0	94.0	97	4.2	6
2,4-Dinitrotoluene	LCS	LCS DUP	106.0	106.0	106	0.0	0
2,4-Dinitrotoluene	LCS	LCS DUP	95.0	102.0	98.5	4.9	7
2,4-Dinitrotoluene	LCS	LCS DUP	99.0	97.0	98	1.4	2
2,4-Dinitrotoluene	LCS	LCS DUP	86.0	92.0	89	4.2	7
2,4-Dinitrotoluene	LCS	LCS DUP	99.0	103.0	101	2.8	4
2,4-Dinitrotoluene	LCS	LCS DUP	114.0	117.0	115.5	2.1	3
2,4-Dinitrotoluene	LCS	LCS DUP	98.0	101.0	99.5	2.1	3
2,4-Dinitrotoluene	LCS	LCS DUP	93.0	91.0	92	1.4	2
2,4-Dinitrotoluene	LCS	LCS DUP	92.0	90.0	91	1.4	2
2,4-Dinitrotoluene	LCS	LCS DUP	93.0	98.0	95.5	3.5	5
2,4-Dinitrotoluene	LCS	LCS DUP	96.0	103.0	99.5	4.9	7
2,4-Dinitrotoluene	LCS	LCS DUP	99.0	94.0	96.5	3.5	5
2,4-Dinitrotoluene	LCS	LCS DUP	77.0	92.0	84.5	10.6	18
2,4-Dinitrotoluene	LCS	LCS DUP	92.0	92.0	92	0.0	0
2,4-Dinitrotoluene	LCS	LCS DUP	97.0	87.0	92	7.1	11
2,4-Dinitrotoluene	LCS	LCS DUP	104.0	99.0	101.5	3.5	5
2,6-Dinitrotoluene	LCS	LCS DUP	123.0	119.0	121	2.8	3
2,6-Dinitrotoluene	LCS	LCS DUP	122.0	106.0	114	11.3	14
2,6-Dinitrotoluene	LCS	LCS DUP	119.0	120.0	119.5	0.7	1
2,6-Dinitrotoluene	LCS	LCS DUP	127.0	130.0	128.5	2.1	2
2,6-Dinitrotoluene	LCS	LCS DUP	123.0	118.0	120.5	3.5	4
2,6-Dinitrotoluene	LCS	LCS DUP	127.0	128.0	127.5	0.7	1
2,6-Dinitrotoluene	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
2,6-Dinitrotoluene	LCS	LCS DUP	106.0	106.0	106	0.0	0
2,6-Dinitrotoluene	LCS	LCS DUP	105.0	100.0	102.5	3.5	5

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
2,6-Dinitrotoluene	LCS	LCS DUP	112.0	115.0	113.5	2.1	3
2,6-Dinitrotoluene	LCS	LCS DUP	100.0	109.0	104.5	6.4	9
2,6-Dinitrotoluene	LCS	LCS DUP	108.0	104.0	106	2.8	4
2,6-Dinitrotoluene	LCS	LCS DUP	92.0	101.0	96.5	6.4	9
2,6-Dinitrotoluene	LCS	LCS DUP	115.0	121.0	118	4.2	5
2,6-Dinitrotoluene	LCS	LCS DUP	129.0	135.0	132	4.2	5
2,6-Dinitrotoluene	LCS	LCS DUP	111.0	106.0	108.5	3.5	5
2,6-Dinitrotoluene	LCS	LCS DUP	101.0	104.0	102.5	2.1	3
2,6-Dinitrotoluene	LCS	LCS DUP	105.0	102.0	103.5	2.1	3
2,6-Dinitrotoluene	LCS	LCS DUP	107.0	117.0	112	7.1	9
2,6-Dinitrotoluene	LCS	LCS DUP	104.0	105.0	104.5	0.7	1
2,6-Dinitrotoluene	LCS	LCS DUP	107.0	102.0	104.5	3.5	5
2,6-Dinitrotoluene	LCS	LCS DUP	106.0	110.0	108	2.8	4
2,6-Dinitrotoluene	LCS	LCS DUP	99.0	96.0	97.5	2.1	3
2,6-Dinitrotoluene	LCS	LCS DUP	104.0	95.0	99.5	6.4	9
2,6-Dinitrotoluene	LCS	LCS DUP	118.0	112.0	115	4.2	5
2-Chloronaphthalene	LCS	LCS DUP	84.0	82.0	83	1.4	2
2-Chloronaphthalene	LCS	LCS DUP	83.0	73.0	78	7.1	13
2-Chloronaphthalene	LCS	LCS DUP	80.0	83.0	81.5	2.1	4
2-Chloronaphthalene	LCS	LCS DUP	85.0	86.0	85.5	0.7	1
2-Chloronaphthalene	LCS	LCS DUP	81.0	78.0	79.5	2.1	4
2-Chloronaphthalene	LCS	LCS DUP	85.0	87.0	86	1.4	2
2-Chloronaphthalene	LCS	LCS DUP	89.0	90.0	89.5	0.7	1
2-Chloronaphthalene	LCS	LCS DUP	88.0	88.0	88	0.0	0
2-Chloronaphthalene	LCS	LCS DUP	86.0	85.0	85.5	0.7	1
2-Chloronaphthalene	LCS	LCS DUP	97.0	98.0	97.5	0.7	1
2-Chloronaphthalene	LCS	LCS DUP	90.0	94.0	92	2.8	4
2-Chloronaphthalene	LCS	LCS DUP	84.0	82.0	83	1.4	2
2-Chloronaphthalene	LCS	LCS DUP	76.0	81.0	78.5	3.5	6
2-Chloronaphthalene	LCS	LCS DUP	91.0	97.0	94	4.2	6
2-Chloronaphthalene	LCS	LCS DUP	100.0	108.0	104	5.7	8
2-Chloronaphthalene	LCS	LCS DUP	87.0	88.0	87.5	0.7	1

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

() = Footnote Character

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
2-Chloronaphthalene	LCS	LCS DUP	84.0	81.0	82.5	2.1	4
2-Chloronaphthalene	LCS	LCS DUP	88.0	80.0	84	5.7	10
2-Chloronaphthalene	LCS	LCS DUP	89.0	91.0	90	1.4	2
2-Chloronaphthalene	LCS	LCS DUP	78.0	99.0	88.5	14.8	24
2-Chloronaphthalene	LCS	LCS DUP	86.0	79.0	82.5	4.9	8
2-Chloronaphthalene	LCS	LCS DUP	99.0	92.0	95.5	4.9	7
2-Chloronaphthalene	LCS	LCS DUP	83.0	79.0	81	2.8	5
2-Chloronaphthalene	LCS	LCS DUP	91.0	83.0	87	5.7	9
2-Chloronaphthalene	LCS	LCS DUP	89.0	85.0	87	2.8	5
2-Chloronaphthalene	LCS	LCS DUP	82.0	84.0	83	1.4	2
2-Chlorophenol	LCS	LCS DUP	85.0	76.0	80.5	6.4	11
2-Chlorophenol	LCS	LCS DUP	83.0	88.0	85.5	3.5	6
2-Chlorophenol	LCS	LCS DUP	90.0	92.0	91	1.4	2
2-Chlorophenol	LCS	LCS DUP	79.0	77.0	78	1.4	3
2-Chlorophenol	LCS	LCS DUP	94.0	96.0	95	1.4	2
2-Chlorophenol	LCS	LCS DUP	93.0	93.0	93	0.0	0
2-Chlorophenol	LCS	LCS DUP	84.0	85.0	84.5	0.7	1
2-Chlorophenol	LCS	LCS DUP	52.0	74.0	63	15.6	35
2-Chlorophenol	LCS	LCS DUP	90.0	87.0	88.5	2.1	3
2-Chlorophenol	LCS	LCS DUP	84.0	84.0	84	0.0	0
2-Chlorophenol	LCS	LCS DUP	96.0	88.0	92	5.7	9
2-Chlorophenol	LCS	LCS DUP	84.0	86.0	85	1.4	2
2-Chlorophenol	LCS	LCS DUP	78.0	80.0	79	1.4	3
2-Chlorophenol	LCS	LCS DUP	90.0	93.0	91.5	2.1	3
2-Chlorophenol	LCS	LCS DUP	91.0	100.0	95.5	6.4	9
2-Chlorophenol	LCS	LCS DUP	96.0	95.0	95.5	0.7	1
2-Chlorophenol	LCS	LCS DUP	86.0	93.0	89.5	4.9	8
2-Chlorophenol	LCS	LCS DUP	84.0	89.0	86.5	3.5	6
2-Chlorophenol	LCS	LCS DUP	80.0	84.0	82	2.8	5
2-Chlorophenol	LCS	LCS DUP	97.0	97.0	97	0.0	0
2-Chlorophenol	LCS	LCS DUP	92.0	75.0	83.5	12.0	20
2-Chlorophenol	LCS	LCS DUP	32.0	24.0	28	5.7	29

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
2-Chlorophenol	LCS	LCS DUP	96.0	91.0	93.5	3.5	5
2-Chlorophenol	LCS	LCS DUP	93.0	86.0	89.5	4.9	8
2-Methyl naphthalene	LCS	LCS DUP	94.0	91.0	92.5	2.1	3
2-Methyl naphthalene	LCS	LCS DUP	95.0	84.0	89.5	7.8	12
2-Methyl naphthalene	LCS	LCS DUP	92.0	95.0	93.5	2.1	3
2-Methyl naphthalene	LCS	LCS DUP	99.0	100.0	99.5	0.7	1
2-Methyl naphthalene	LCS	LCS DUP	93.0	89.0	91	2.8	4
2-Methyl naphthalene	LCS	LCS DUP	98.0	99.0	98.5	0.7	1
2-Methyl naphthalene	LCS	LCS DUP	104.0	105.0	104.5	0.7	1
2-Methyl naphthalene	LCS	LCS DUP	96.0	97.0	96.5	0.7	1
2-Methyl naphthalene	LCS	LCS DUP	92.0	96.0	94	2.8	4
2-Methyl naphthalene	LCS	LCS DUP	106.0	105.0	105.5	0.7	1
2-Methyl naphthalene	LCS	LCS DUP	96.0	99.0	97.5	2.1	3
2-Methyl naphthalene	LCS	LCS DUP	107.0	99.0	103	5.7	8
2-Methyl naphthalene	LCS	LCS DUP	91.0	96.0	93.5	3.5	5
2-Methyl naphthalene	LCS	LCS DUP	141.0	146.0	143.5	3.5	3
2-Methyl naphthalene	LCS	LCS DUP	122.0	119.0	120.5	2.1	2
2-Methyl naphthalene	LCS	LCS DUP	101.0	106.0	103.5	3.5	5
2-Methyl naphthalene	LCS	LCS DUP	99.0	100.0	99.5	0.7	1
2-Methyl naphthalene	LCS	LCS DUP	96.0	94.0	95	1.4	2
2-Methyl naphthalene	LCS	LCS DUP	139.0	141.0	140	1.4	1
2-Methyl naphthalene	LCS	LCS DUP	119.0	127.0	123	5.7	7
2-Methyl naphthalene	LCS	LCS DUP	111.0	104.0	107.5	4.9	7
2-Methyl naphthalene	LCS	LCS DUP	115.0	107.0	111	5.7	7
2-Methyl naphthalene	LCS	LCS DUP	78.0	78.0	78	0.0	0
2-Methyl naphthalene	LCS	LCS DUP	99.0	94.0	96.5	3.5	5
2-Methyl naphthalene	LCS	LCS DUP	105.0	99.0	102	4.2	6
2-Methyl phenol (o-cresol)	LCS	LCS DUP	80.0	81.0	80.5	0.7	1
2-Methyl phenol (o-cresol)	LCS	LCS DUP	82.0	74.0	78	5.7	10
2-Methyl phenol (o-cresol)	LCS	LCS DUP	81.0	84.0	82.5	2.1	4
2-Methyl phenol (o-cresol)	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
2-Methyl phenol (o-cresol)	LCS	LCS DUP	81.0	78.0	79.5	2.1	4

Compiled: 11 May 1994

NC = Not Confirmed      ND = Not Detected      ( ) = Footnote Character

A-3-164

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
2-Methylphenol (o-cresol)	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
2-Methylphenol (o-cresol)	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
2-Methylphenol (o-cresol)	LCS	LCS DUP	74.0	75.0	74.5	0.7	1
2-Methylphenol (o-cresol)	LCS	LCS DUP	68.0	78.0	73	7.1	14
2-Methylphenol (o-cresol)	LCS	LCS DUP	84.0	80.0	82	2.8	5
2-Methylphenol (o-cresol)	LCS	LCS DUP	81.0	79.0	80	1.4	3
2-Methylphenol (o-cresol)	LCS	LCS DUP	103.0	92.0	97.5	7.8	11
2-Methylphenol (o-cresol)	LCS	LCS DUP	86.0	86.0	86	0.0	0
2-Methylphenol (o-cresol)	LCS	LCS DUP	70.0	72.0	71	1.4	3
2-Methylphenol (o-cresol)	LCS	LCS DUP	87.0	85.0	86	1.4	2
2-Methylphenol (o-cresol)	LCS	LCS DUP	91.0	101.0	96	7.1	10
2-Methylphenol (o-cresol)	LCS	LCS DUP	99.0	99.0	99	0.0	0
2-Methylphenol (o-cresol)	LCS	LCS DUP	93.0	99.0	96	4.2	6
2-Methylphenol (o-cresol)	LCS	LCS DUP	81.0	84.0	82.5	2.1	4
2-Methylphenol (o-cresol)	LCS	LCS DUP	75.0	77.0	76	1.4	3
2-Methylphenol (o-cresol)	LCS	LCS DUP	97.0	94.0	95.5	2.1	3
2-Methylphenol (o-cresol)	LCS	LCS DUP	91.0	71.0	81	14.1	25
2-Methylphenol (o-cresol)	LCS	LCS DUP	64.0	58.0	61	4.2	10
2-Methylphenol (o-cresol)	LCS	LCS DUP	93.0	91.0	92	1.4	2
2-Methylphenol (o-cresol)	LCS	LCS DUP	97.0	89.0	93	5.7	9
2-Nitroaniline	LCS	LCS DUP	128.0	127.0	127.5	0.7	1
2-Nitroaniline	LCS	LCS DUP	122.0	106.0	114	11.3	14
2-Nitroaniline	LCS	LCS DUP	122.0	125.0	123.5	2.1	2
2-Nitroaniline	LCS	LCS DUP	128.0	129.0	128.5	0.7	1
2-Nitroaniline	LCS	LCS DUP	120.0	115.0	117.5	3.5	4
2-Nitroaniline	LCS	LCS DUP	127.0	128.0	127.5	0.7	1
2-Nitroaniline	LCS	LCS DUP	98.0	96.0	97	1.4	2
2-Nitroaniline	LCS	LCS DUP	100.0	100.0	100	0.0	0
2-Nitroaniline	LCS	LCS DUP	110.0	102.0	106	5.7	8
2-Nitroaniline	LCS	LCS DUP	110.0	108.0	109	1.4	2
2-Nitroaniline	LCS	LCS DUP	114.0	120.0	117	4.2	5
2-Nitroaniline	LCS	LCS DUP	91.0	90.0	90.5	0.7	1

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
2-Nitroaniline	LCS	LCS DUP	82.0	89.0	85.5	4.9	8
2-Nitroaniline	LCS	LCS DUP	97.0	102.0	99.5	3.5	5
2-Nitroaniline	LCS	LCS DUP	107.0	119.0	113	8.5	11
2-Nitroaniline	LCS	LCS DUP	100.0	97.0	98.5	2.1	3
2-Nitroaniline	LCS	LCS DUP	86.0	90.0	88	2.8	5
2-Nitroaniline	LCS	LCS DUP	92.0	85.0	88.5	4.9	8
2-Nitroaniline	LCS	LCS DUP	102.0	106.0	104	2.8	4
2-Nitroaniline	LCS	LCS DUP	96.0	122.0	109	18.4	24
2-Nitroaniline	LCS	LCS DUP	95.0	87.0	91	5.7	9
2-Nitroaniline	LCS	LCS DUP	105.0	98.0	101.5	4.9	7
2-Nitroaniline	LCS	LCS DUP	96.0	96.0	96	0.0	0
2-Nitroaniline	LCS	LCS DUP	100.0	91.0	95.5	6.4	9
2-Nitroaniline	LCS	LCS DUP	130.0	126.0	128	2.8	3
2-Nitrophenol	LCS	LCS DUP	98.0	99.0	98.5	0.7	1
2-Nitrophenol	LCS	LCS DUP	106.0	92.0	99	9.9	14
2-Nitrophenol	LCS	LCS DUP	102.0	108.0	105	4.2	6
2-Nitrophenol	LCS	LCS DUP	111.0	112.0	111.5	0.7	1
2-Nitrophenol	LCS	LCS DUP	104.0	100.0	102	2.8	4
2-Nitrophenol	LCS	LCS DUP	116.0	120.0	118	2.8	3
2-Nitrophenol	LCS	LCS DUP	100.0	101.0	100.5	0.7	1
2-Nitrophenol	LCS	LCS DUP	87.0	87.0	87	0.0	0
2-Nitrophenol	LCS	LCS DUP	68.0	81.0	74.5	9.2	17
2-Nitrophenol	LCS	LCS DUP	92.0	90.0	91	1.4	2
2-Nitrophenol	LCS	LCS DUP	85.0	86.0	85.5	0.7	1
2-Nitrophenol	LCS	LCS DUP	104.0	99.0	101.5	3.5	5
2-Nitrophenol	LCS	LCS DUP	93.0	96.0	94.5	2.1	3
2-Nitrophenol	LCS	LCS DUP	81.0	86.0	83.5	3.5	6
2-Nitrophenol	LCS	LCS DUP	94.0	95.0	94.5	0.7	1
2-Nitrophenol	LCS	LCS DUP	94.0	102.0	98	5.7	8
2-Nitrophenol	LCS	LCS DUP	106.0	106.0	106	0.0	0
2-Nitrophenol	LCS	LCS DUP	101.0	100.0	100.5	0.7	1
2-Nitrophenol	LCS	LCS DUP	91.0	94.0	92.5	2.1	3

Compiled: 11 May 1994

NC = Not Confirmed    ND = Not Detected    ( ) = Footnote Character

A-3-166

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
2-Nitrophenol	LCS	LCS DUP	91.0	82.0	86.5	6.4	10
2-Nitrophenol	LCS	LCS DUP	106.0	104.0	105	1.4	2
2-Nitrophenol	LCS	LCS DUP	98.0	85.0	91.5	9.2	14
2-Nitrophenol	LCS	LCS DUP	66.0	62.0	64	2.8	6
2-Nitrophenol	LCS	LCS DUP	103.0	99.0	101	2.8	4
2-Nitrophenol	LCS	LCS DUP	104.0	99.0	101.5	3.5	5
2-Nitrophenol	LCS	LCS DUP	140.0	130.0	135	7.1	7
3,3'-Dichlorobenzidine	LCS	LCS DUP	138.0	120.0	129	12.7	14
3,3'-Dichlorobenzidine	LCS	LCS DUP	124.0	128.0	126	2.8	3
3,3'-Dichlorobenzidine	LCS	LCS DUP	135.0	141.0	138	4.2	4
3,3'-Dichlorobenzidine	LCS	LCS DUP	133.0	131.0	132	1.4	2
3,3'-Dichlorobenzidine	LCS	LCS DUP	139.0	140.0	139.5	0.7	1
3,3'-Dichlorobenzidine	LCS	LCS DUP	139.0	111.0	125	19.8	22
3,3'-Dichlorobenzidine	LCS	LCS DUP	127.0	129.0	128	1.4	2
3,3'-Dichlorobenzidine	LCS	LCS DUP	121.0	116.0	118.5	3.5	4
3,3'-Dichlorobenzidine	LCS	LCS DUP	154.0	125.0	139.5	20.5	21
3,3'-Dichlorobenzidine	LCS	LCS DUP	111.0	113.0	112	1.4	2
3,3'-Dichlorobenzidine	LCS	LCS DUP	137.0	122.0	129.5	10.6	12
3,3'-Dichlorobenzidine	LCS	LCS DUP	125.0	131.0	128	4.2	5
3,3'-Dichlorobenzidine	LCS	LCS DUP	128.0	126.0	127	1.4	2
3,3'-Dichlorobenzidine	LCS	LCS DUP	152.0	165.0	158.5	9.2	8
3,3'-Dichlorobenzidine	LCS	LCS DUP	129.0	112.0	120.5	12.0	14
3,3'-Dichlorobenzidine	LCS	LCS DUP	134.0	133.0	133.5	0.7	1
3,3'-Dichlorobenzidine	LCS	LCS DUP	146.0	134.0	140	8.5	9
3,3'-Dichlorobenzidine	LCS	LCS DUP	131.0	136.0	133.5	3.5	4
3,3'-Dichlorobenzidine	LCS	LCS DUP	110.0	120.0	115	7.1	9
3,3'-Dichlorobenzidine	LCS	LCS DUP	137.0	128.0	132.5	6.4	7
3,3'-Dichlorobenzidine	LCS	LCS DUP	134.0	129.0	131.5	3.5	4
3,3'-Dichlorobenzidine	LCS	LCS DUP	126.0	131.0	128.5	3.5	4
3,3'-Dichlorobenzidine	LCS	LCS DUP	119.0	116.0	117.5	2.1	3
3,3'-Dichlorobenzidine	LCS	LCS DUP	141.0	137.0	139	2.8	3
3-Nitroaniline	LCS	LCS DUP	117.0	112.0	114.5	3.5	4

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-167

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
3-Nitroaniline	LCS	LCS DUP	114.0	99.0	106.5	10.6	14
3-Nitroaniline	LCS	LCS DUP	112.0	114.0	113	1.4	2
3-Nitroaniline	LCS	LCS DUP	117.0	119.0	118	1.4	2
3-Nitroaniline	LCS	LCS DUP	116.0	111.0	113.5	3.5	4
3-Nitroaniline	LCS	LCS DUP	119.0	117.0	118	1.4	2
3-Nitroaniline	LCS	LCS DUP	103.0	80.0	91.5	16.3	25
3-Nitroaniline	LCS	LCS DUP	102.0	102.0	102	0.0	0
3-Nitroaniline	LCS	LCS DUP	103.0	100.0	101.5	2.1	3
3-Nitroaniline	LCS	LCS DUP	111.0	97.0	104	9.9	13
3-Nitroaniline	LCS	LCS DUP	105.0	112.0	108.5	4.9	6
3-Nitroaniline	LCS	LCS DUP	110.0	111.0	110.5	0.7	1
3-Nitroaniline	LCS	LCS DUP	94.0	105.0	99.5	7.8	11
3-Nitroaniline	LCS	LCS DUP	105.0	107.0	106	1.4	2
3-Nitroaniline	LCS	LCS DUP	134.0	138.0	136	2.8	3
3-Nitroaniline	LCS	LCS DUP	118.0	113.0	115.5	3.5	4
3-Nitroaniline	LCS	LCS DUP	105.0	109.0	107	2.8	4
3-Nitroaniline	LCS	LCS DUP	111.0	113.0	112	1.4	2
3-Nitroaniline	LCS	LCS DUP	104.0	109.0	106.5	3.5	5
3-Nitroaniline	LCS	LCS DUP	95.0	109.0	102	9.9	14
3-Nitroaniline	LCS	LCS DUP	113.0	106.0	109.5	4.9	6
3-Nitroaniline	LCS	LCS DUP	108.0	104.0	106	2.8	4
3-Nitroaniline	LCS	LCS DUP	109.0	106.0	107.5	2.1	3
3-Nitroaniline	LCS	LCS DUP	106.0	99.0	102.5	4.9	7
3-Nitroaniline	LCS	LCS DUP	119.0	113.0	116	4.2	5
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	120.0	122.0	121	1.4	2
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	130.0	111.0	120.5	13.4	16
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	130.0	136.0	133	4.2	5
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	136.0	136.0	136	0.0	0
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	138.0	131.0	134.5	4.9	5
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	148.0	155.0	151.5	4.9	5
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	108.0	109.0	108.5	0.7	1
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	94.0	95.0	94.5	0.7	1

Compiled: 11 May 1994

NC = Not Cachable

ND = Not Detected

() = Footnote Character

A-3-168



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	80.0	82.0	81	1.4	2
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	100.0	95.0	97.5	3.5	5
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	89.0	95.0	92	4.2	7
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	115.0	111.0	113	2.8	4
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	95.0	99.0	97	2.8	4
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	86.0	93.0	89.5	4.9	8
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	81.0	105.0	93	17.0	26
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	100.0	106.0	103	4.2	6
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	104.0	104.0	104	0.0	0
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	109.0	102.0	105.5	4.9	7
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	100.0	107.0	103.5	4.9	7
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	87.0	80.0	83.5	4.9	8
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	116.0	110.0	113	4.2	5
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	110.0	96.0	103	9.9	14
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	104.0	103.0	103.5	0.7	1
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	116.0	111.0	113.5	3.5	4
4,6-Dinitro-2-methylphenol	LCS	LCS DUP	108.0	101.0	104.5	4.9	7
4-Bromophenyl phenyl ether	LCS	LCS DUP	101.0	96.0	98.5	3.5	5
4-Bromophenyl phenyl ether	LCS	LCS DUP	102.0	90.0	96	8.5	13
4-Bromophenyl phenyl ether	LCS	LCS DUP	97.0	102.0	99.5	3.5	5
4-Bromophenyl phenyl ether	LCS	LCS DUP	104.0	106.0	105	1.4	2
4-Bromophenyl phenyl ether	LCS	LCS DUP	103.0	102.0	102.5	0.7	1
4-Bromophenyl phenyl ether	LCS	LCS DUP	105.0	105.0	105	0.0	0
4-Bromophenyl phenyl ether	LCS	LCS DUP	95.0	95.0	95	0.0	0
4-Bromophenyl phenyl ether	LCS	LCS DUP	94.0	94.0	94	0.0	0
4-Bromophenyl phenyl ether	LCS	LCS DUP	97.0	93.0	95	2.8	4
4-Bromophenyl phenyl ether	LCS	LCS DUP	96.0	96.0	96	0.0	0
4-Bromophenyl phenyl ether	LCS	LCS DUP	85.0	91.0	88	4.2	7
4-Bromophenyl phenyl ether	LCS	LCS DUP	97.0	94.0	95.5	2.1	3
4-Bromophenyl phenyl ether	LCS	LCS DUP	82.0	89.0	85.5	4.9	8
4-Bromophenyl phenyl ether	LCS	LCS DUP	99.0	103.0	101	2.8	4
4-Bromophenyl phenyl ether	LCS	LCS DUP	102.0	116.0	109	9.9	13

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
4-Bromophenyl phenyl ether	LCS	LCS DUP	94.0	92.0	93	1.4	2
4-Bromophenyl phenyl ether	LCS	LCS DUP	87.0	88.0	87.5	0.7	1
4-Bromophenyl phenyl ether	LCS	LCS DUP	86.0	80.0	83	4.2	7
4-Bromophenyl phenyl ether	LCS	LCS DUP	88.0	93.0	90.5	3.5	6
4-Bromophenyl phenyl ether	LCS	LCS DUP	100.0	90.0	95	7.1	11
4-Bromophenyl phenyl ether	LCS	LCS DUP	93.0	93.0	93	0.0	0
4-Bromophenyl phenyl ether	LCS	LCS DUP	85.0	86.0	85.5	0.7	1
4-Bromophenyl phenyl ether	LCS	LCS DUP	80.0	77.0	78.5	2.1	4
4-Bromophenyl phenyl ether	LCS	LCS DUP	89.0	81.0	85	5.7	9
4-Bromophenyl phenyl ether	LCS	LCS DUP	95.0	90.0	92.5	3.5	5
4-Chloro-3-methylphenol	LCS	LCS DUP	86.0	86.0	86	0.0	0
4-Chloro-3-methylphenol	LCS	LCS DUP	88.0	76.0	82	8.5	15
4-Chloro-3-methylphenol	LCS	LCS DUP	85.0	88.0	86.5	2.1	3
4-Chloro-3-methylphenol	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
4-Chloro-3-methylphenol	LCS	LCS DUP	88.0	84.0	86	2.8	5
4-Chloro-3-methylphenol	LCS	LCS DUP	95.0	98.0	96.5	2.1	3
4-Chloro-3-methylphenol	LCS	LCS DUP	101.0	104.0	102.5	2.1	3
4-Chloro-3-methylphenol	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
4-Chloro-3-methylphenol	LCS	LCS DUP	86.0	90.0	88	2.8	5
4-Chloro-3-methylphenol	LCS	LCS DUP	100.0	95.0	97.5	3.5	5
4-Chloro-3-methylphenol	LCS	LCS DUP	92.0	96.0	94	2.8	4
4-Chloro-3-methylphenol	LCS	LCS DUP	100.0	96.0	98	2.8	4
4-Chloro-3-methylphenol	LCS	LCS DUP	86.0	91.0	88.5	3.5	6
4-Chloro-3-methylphenol	LCS	LCS DUP	79.0	84.0	81.5	3.5	6
4-Chloro-3-methylphenol	LCS	LCS DUP	87.0	87.0	87	0.0	0
4-Chloro-3-methylphenol	LCS	LCS DUP	86.0	97.0	91.5	7.8	12
4-Chloro-3-methylphenol	LCS	LCS DUP	97.0	96.0	96.5	0.7	1
4-Chloro-3-methylphenol	LCS	LCS DUP	90.0	93.0	91.5	2.1	3
4-Chloro-3-methylphenol	LCS	LCS DUP	93.0	96.0	94.5	2.1	3
4-Chloro-3-methylphenol	LCS	LCS DUP	79.0	82.0	80.5	2.1	4
4-Chloro-3-methylphenol	LCS	LCS DUP	94.0	94.0	94	0.0	0
4-Chloro-3-methylphenol	LCS	LCS DUP	94.0	94.0	94	0.0	0

Compiled: 11 May 1994

NC = Not Cachable ND = Not Detected ( ) = Footnote Character

A-3-170

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
4-Chloro-3-methylphenol	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
4-Chloro-3-methylphenol	LCS	LCS DUP	102.0	95.0	98.5	4.9	7
4-Chloro-3-methylphenol	LCS	LCS DUP	112.0	106.0	109	4.2	6
4-Chlorophenyl phenyl ether	LCS	LCS DUP	102.0	100.0	101	1.4	2
4-Chlorophenyl phenyl ether	LCS	LCS DUP	102.0	90.0	96	8.5	13
4-Chlorophenyl phenyl ether	LCS	LCS DUP	103.0	102.0	102.5	0.7	1
4-Chlorophenyl phenyl ether	LCS	LCS DUP	104.0	105.0	104.5	0.7	1
4-Chlorophenyl phenyl ether	LCS	LCS DUP	102.0	98.0	100	2.8	4
4-Chlorophenyl phenyl ether	LCS	LCS DUP	106.0	107.0	106.5	0.7	1
4-Chlorophenyl phenyl ether	LCS	LCS DUP	104.0	108.0	106	2.8	4
4-Chlorophenyl phenyl ether	LCS	LCS DUP	102.0	102.0	102	0.0	0
4-Chlorophenyl phenyl ether	LCS	LCS DUP	103.0	99.0	101	2.8	4
4-Chlorophenyl phenyl ether	LCS	LCS DUP	108.0	108.0	108	0.0	0
4-Chlorophenyl phenyl ether	LCS	LCS DUP	96.0	103.0	99.5	4.9	7
4-Chlorophenyl phenyl ether	LCS	LCS DUP	108.0	104.0	106	2.8	4
4-Chlorophenyl phenyl ether	LCS	LCS DUP	93.0	102.0	97.5	6.4	9
4-Chlorophenyl phenyl ether	LCS	LCS DUP	111.0	112.0	111.5	0.7	1
4-Chlorophenyl phenyl ether	LCS	LCS DUP	120.0	123.0	121.5	2.1	2
4-Chlorophenyl phenyl ether	LCS	LCS DUP	106.0	106.0	106	0.0	0
4-Chlorophenyl phenyl ether	LCS	LCS DUP	99.0	99.0	99	0.0	0
4-Chlorophenyl phenyl ether	LCS	LCS DUP	101.0	92.0	96.5	6.4	9
4-Chlorophenyl phenyl ether	LCS	LCS DUP	97.0	103.0	100	4.2	6
4-Chlorophenyl phenyl ether	LCS	LCS DUP	100.0	101.0	100.5	0.7	1
4-Chlorophenyl phenyl ether	LCS	LCS DUP	109.0	104.0	106.5	3.5	5
4-Chlorophenyl phenyl ether	LCS	LCS DUP	98.0	96.0	97	1.4	2
4-Chlorophenyl phenyl ether	LCS	LCS DUP	94.0	92.0	93	1.4	2
4-Chlorophenyl phenyl ether	LCS	LCS DUP	98.0	93.0	95.5	3.5	5
4-Chlorophenyl phenyl ether	LCS	LCS DUP	104.0	100.0	102	2.8	4
4-Methylphenol (p-cresol)	LCS	LCS DUP	78.0	80.0	79	1.4	3
4-Methylphenol (p-cresol)	LCS	LCS DUP	83.0	75.0	79	5.7	10
4-Methylphenol (p-cresol)	LCS	LCS DUP	81.0	86.0	83.5	3.5	6
4-Methylphenol (p-cresol)	LCS	LCS DUP	92.0	94.0	93	1.4	2

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-171

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
4-Methylphenol (p-cresol)	LCS	LCS DUP	85.0	82.0	83.5	2.1	4
4-Methylphenol (p-cresol)	LCS	LCS DUP	95.0	98.0	96.5	2.1	3
4-Methylphenol (p-cresol)	LCS	LCS DUP	93.0	91.0	92	1.4	2
4-Methylphenol (p-cresol)	LCS	LCS DUP	71.0	72.0	71.5	0.7	1
4-Methylphenol (p-cresol)	LCS	LCS DUP	67.0	74.0	70.5	4.9	10
4-Methylphenol (p-cresol)	LCS	LCS DUP	80.0	75.0	77.5	3.5	6
4-Methylphenol (p-cresol)	LCS	LCS DUP	75.0	75.0	75	0.0	0
4-Methylphenol (p-cresol)	LCS	LCS DUP	102.0	92.0	97	7.1	10
4-Methylphenol (p-cresol)	LCS	LCS DUP	87.0	86.0	86.5	0.7	1
4-Methylphenol (p-cresol)	LCS	LCS DUP	65.0	68.0	66.5	2.1	5
4-Methylphenol (p-cresol)	LCS	LCS DUP	86.0	87.0	86.5	0.7	1
4-Methylphenol (p-cresol)	LCS	LCS DUP	91.0	102.0	96.5	7.8	11
4-Methylphenol (p-cresol)	LCS	LCS DUP	99.0	98.0	98.5	0.7	1
4-Methylphenol (p-cresol)	LCS	LCS DUP	96.0	101.0	98.5	3.5	5
4-Methylphenol (p-cresol)	LCS	LCS DUP	76.0	80.0	78	2.8	5
4-Methylphenol (p-cresol)	LCS	LCS DUP	77.0	80.0	78.5	2.1	4
4-Methylphenol (p-cresol)	LCS	LCS DUP	99.0	95.0	97	2.8	4
4-Methylphenol (p-cresol)	LCS	LCS DUP	80.0	61.0	70.5	13.4	27
4-Methylphenol (p-cresol)	LCS	LCS DUP	72.0	71.0	71.5	0.7	1
4-Methylphenol (p-cresol)	LCS	LCS DUP	85.0	83.0	84	1.4	2
4-Methylphenol (p-cresol)	LCS	LCS DUP	80.0	75.0	77.5	3.5	6
4-Nitroaniline	LCS	LCS DUP	114.0	109.0	111.5	3.5	4
4-Nitroaniline	LCS	LCS DUP	112.0	96.0	104	11.3	15
4-Nitroaniline	LCS	LCS DUP	109.0	113.0	111	2.8	4
4-Nitroaniline	LCS	LCS DUP	116.0	117.0	116.5	0.7	1
4-Nitroaniline	LCS	LCS DUP	112.0	106.0	109	4.2	6
4-Nitroaniline	LCS	LCS DUP	118.0	117.0	117.5	0.7	1
4-Nitroaniline	LCS	LCS DUP	95.0	89.0	92	4.2	7
4-Nitroaniline	LCS	LCS DUP	99.0	99.0	99	0.0	0
4-Nitroaniline	LCS	LCS DUP	98.0	93.0	95.5	3.5	5
4-Nitroaniline	LCS	LCS DUP	108.0	106.0	107	1.4	2
4-Nitroaniline	LCS	LCS DUP	98.0	106.0	102	5.7	8

Compiled: 11 May 1994

NC = Not Comparable ND = Not Detected ( ) = Footnote Character

A-3-172

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
4-Nitroaniline	LCS	LCS DUP	102.0	100.0	101	1.4	2
4-Nitroaniline	LCS	LCS DUP	87.0	93.0	90	4.2	7
4-Nitroaniline	LCS	LCS DUP	102.0	103.0	102.5	0.7	1
4-Nitroaniline	LCS	LCS DUP	119.0	129.0	124	7.1	8
4-Nitroaniline	LCS	LCS DUP	102.0	101.0	101.5	0.7	1
4-Nitroaniline	LCS	LCS DUP	101.0	96.0	98.5	3.5	5
4-Nitroaniline	LCS	LCS DUP	103.0	93.0	98	7.1	10
4-Nitroaniline	LCS	LCS DUP	100.0	102.0	101	1.4	2
4-Nitroaniline	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
4-Nitroaniline	LCS	LCS DUP	102.0	94.0	98	5.7	8
4-Nitroaniline	LCS	LCS DUP	94.0	91.0	92.5	2.1	3
4-Nitroaniline	LCS	LCS DUP	99.0	96.0	97.5	2.1	3
4-Nitroaniline	LCS	LCS DUP	97.0	91.0	94	4.2	6
4-Nitroaniline	LCS	LCS DUP	111.0	105.0	108	4.2	6
4-Nitrophenol	LCS	LCS DUP	77.0	79.0	78	1.4	3
4-Nitrophenol	LCS	LCS DUP	85.0	72.0	78.5	9.2	17
4-Nitrophenol	LCS	LCS DUP	84.0	88.0	86	2.8	5
4-Nitrophenol	LCS	LCS DUP	88.0	90.0	89	1.4	2
4-Nitrophenol	LCS	LCS DUP	88.0	84.0	86	2.8	5
4-Nitrophenol	LCS	LCS DUP	94.0	98.0	96	2.8	4
4-Nitrophenol	LCS	LCS DUP	107.0	105.0	106	1.4	2
4-Nitrophenol	LCS	LCS DUP	86.0	86.0	86	0.0	0
4-Nitrophenol	LCS	LCS DUP	76.0	76.0	76	0.0	0
4-Nitrophenol	LCS	LCS DUP	108.0	106.0	107	1.4	2
4-Nitrophenol	LCS	LCS DUP	89.0	93.0	91	2.8	4
4-Nitrophenol	LCS	LCS DUP	98.0	100.0	99	1.4	2
4-Nitrophenol	LCS	LCS DUP	81.0	90.0	85.5	6.4	11
4-Nitrophenol	LCS	LCS DUP	78.0	85.0	81.5	4.9	9
4-Nitrophenol	LCS	LCS DUP	63.0	72.0	67.5	6.4	13
4-Nitrophenol	LCS	LCS DUP	72.0	77.0	74.5	3.5	7
4-Nitrophenol	LCS	LCS DUP	76.0	73.0	74.5	2.1	4
4-Nitrophenol	LCS	LCS DUP	68.0	69.0	68.5	0.7	1

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-173

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
4-Nitrophenol	LCS	LCS DUP	87.0	93.0	90	4.2	7
4-Nitrophenol	LCS	LCS DUP	83.0	88.0	85.5	3.5	6
4-Nitrophenol	LCS	LCS DUP	58.0	59.0	58.5	0.7	2
4-Nitrophenol	LCS	LCS DUP	78.0	88.0	83	7.1	12
4-Nitrophenol	LCS	LCS DUP	115.0	118.0	116.5	2.1	3
4-Nitrophenol	LCS	LCS DUP	111.0	102.0	106.5	6.4	8
4-Nitrophenol	LCS	LCS DUP	101.0	97.0	99	2.8	4
Acenaphthene	LCS	LCS DUP	92.0	90.0	91	1.4	2
Acenaphthene	LCS	LCS DUP	91.0	80.0	85.5	7.8	13
Acenaphthene	LCS	LCS DUP	90.0	92.0	91	1.4	2
Acenaphthene	LCS	LCS DUP	95.0	96.0	95.5	0.7	1
Acenaphthene	LCS	LCS DUP	91.0	87.0	89	2.8	4
Acenaphthene	LCS	LCS DUP	94.0	97.0	95.5	2.1	3
Acenaphthene	LCS	LCS DUP	96.0	95.0	95.5	0.7	1
Acenaphthene	LCS	LCS DUP	92.0	92.0	92	0.0	0
Acenaphthene	LCS	LCS DUP	93.0	90.0	91.5	2.1	3
Acenaphthene	LCS	LCS DUP	99.0	101.0	100	1.4	2
Acenaphthene	LCS	LCS DUP	91.0	96.0	93.5	3.5	5
Acenaphthene	LCS	LCS DUP	98.0	95.0	96.5	2.1	3
Acenaphthene	LCS	LCS DUP	83.0	96.0	89.5	9.2	15
Acenaphthene	LCS	LCS DUP	97.0	101.0	99	2.8	4
Acenaphthene	LCS	LCS DUP	118.0	122.0	120	2.8	3
Acenaphthene	LCS	LCS DUP	103.0	98.0	100.5	3.5	5
Acenaphthene	LCS	LCS DUP	94.0	96.0	95	1.4	2
Acenaphthene	LCS	LCS DUP	95.0	95.0	95	0.0	0
Acenaphthene	LCS	LCS DUP	93.0	96.0	94.5	2.1	3
Acenaphthene	LCS	LCS DUP	89.0	100.0	94.5	7.8	12
Acenaphthene	LCS	LCS DUP	101.0	97.0	99	2.8	4
Acenaphthene	LCS	LCS DUP	94.0	91.0	92.5	2.1	3
Acenaphthene	LCS	LCS DUP	87.0	90.0	88.5	2.1	3
Acenaphthene	LCS	LCS DUP	96.0	89.0	92.5	4.9	8
Acenaphthene	LCS	LCS DUP	93.0	90.0	91.5	2.1	3

Compiled: 11 May 1994

NC = Not Confirmed

ND = Not Detected

() = Footnote Character

A-3-174

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Acenaphthylene	LCS	LCS DUP	97.0	94.0	95.5	2.1	3
Acenaphthylene	LCS	LCS DUP	97.0	86.0	91.5	7.8	12
Acenaphthylene	LCS	LCS DUP	98.0	99.0	98.5	0.7	1
Acenaphthylene	LCS	LCS DUP	102.0	103.0	102.5	0.7	1
Acenaphthylene	LCS	LCS DUP	100.0	95.0	97.5	3.5	5
Acenaphthylene	LCS	LCS DUP	102.0	105.0	103.5	2.1	3
Acenaphthylene	LCS	LCS DUP	103.0	104.0	103.5	0.7	1
Acenaphthylene	LCS	LCS DUP	100.0	100.0	100	0.0	0
Acenaphthylene	LCS	LCS DUP	104.0	101.0	102.5	2.1	3
Acenaphthylene	LCS	LCS DUP	110.0	112.0	111	1.4	2
Acenaphthylene	LCS	LCS DUP	102.0	105.0	103.5	2.1	3
Acenaphthylene	LCS	LCS DUP	111.0	110.0	110.5	0.7	1
Acenaphthylene	LCS	LCS DUP	96.0	102.0	99	4.2	6
Acenaphthylene	LCS	LCS DUP	108.0	114.0	111	4.2	5
Acenaphthylene	LCS	LCS DUP	136.0	140.0	138	2.8	3
Acenaphthylene	LCS	LCS DUP	119.0	113.0	116	4.2	5
Acenaphthylene	LCS	LCS DUP	108.0	111.0	109.5	2.1	3
Acenaphthylene	LCS	LCS DUP	111.0	110.0	110.5	0.7	1
Acenaphthylene	LCS	LCS DUP	106.0	109.0	107.5	2.1	3
Acenaphthylene	LCS	LCS DUP	99.0	98.0	98.5	0.7	1
Acenaphthylene	LCS	LCS DUP	111.0	109.0	110	1.4	2
Acenaphthylene	LCS	LCS DUP	101.0	94.0	97.5	4.9	7
Acenaphthylene	LCS	LCS DUP	101.0	99.0	100	1.4	2
Acenaphthylene	LCS	LCS DUP	109.0	101.0	105	5.7	8
Acenaphthylene	LCS	LCS DUP	105.0	100.0	102.5	3.5	5
Acenaphthylene	LCS	LCS DUP	103.0	100.0	101.5	2.1	3
Anthracene	LCS	LCS DUP	98.0	86.0	92	8.5	13
Anthracene	LCS	LCS DUP	95.0	96.0	95.5	0.7	1
Anthracene	LCS	LCS DUP	105.0	105.0	105	0.0	0
Anthracene	LCS	LCS DUP	101.0	100.0	100.5	0.7	1
Anthracene	LCS	LCS DUP	102.0	103.0	102.5	0.7	1
Anthracene	LCS	LCS DUP	103.0	105.0	104	1.4	2

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-175

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Anthracene	LCS	LCS DUP	96.0	100.0	98	2.8	4
Anthracene	LCS	LCS DUP	104.0	98.0	101	4.2	6
Anthracene	LCS	LCS DUP	109.0	107.0	108	1.4	2
Anthracene	LCS	LCS DUP	96.0	100.0	98	2.8	4
Anthracene	LCS	LCS DUP	111.0	104.0	107.5	4.9	7
Anthracene	LCS	LCS DUP	89.0	103.0	96	9.9	15
Anthracene	LCS	LCS DUP	108.0	112.0	110	2.8	4
Anthracene	LCS	LCS DUP	124.0	130.0	127	4.2	5
Anthracene	LCS	LCS DUP	102.0	102.0	102	0.0	0
Anthracene	LCS	LCS DUP	101.0	106.0	103.5	3.5	5
Anthracene	LCS	LCS DUP	104.0	101.0	102.5	2.1	3
Anthracene	LCS	LCS DUP	103.0	110.0	106.5	4.9	7
Anthracene	LCS	LCS DUP	99.0	107.0	103	5.7	8
Anthracene	LCS	LCS DUP	106.0	104.0	105	1.4	2
Anthracene	LCS	LCS DUP	103.0	106.0	104.5	2.1	3
Anthracene	LCS	LCS DUP	97.0	99.0	98	1.4	2
Anthracene	LCS	LCS DUP	98.0	94.0	96	2.8	4
Anthracene	LCS	LCS DUP	104.0	98.0	101	4.2	6
Benzo(a)anthracene	LCS	LCS DUP	100.0	98.0	99	1.4	2
Benzo(a)anthracene	LCS	LCS DUP	98.0	85.0	91.5	9.2	14
Benzo(a)anthracene	LCS	LCS DUP	93.0	97.0	95	2.8	4
Benzo(a)anthracene	LCS	LCS DUP	97.0	100.0	98.5	2.1	3
Benzo(a)anthracene	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Benzo(a)anthracene	LCS	LCS DUP	97.0	98.0	97.5	0.7	1
Benzo(a)anthracene	LCS	LCS DUP	116.0	97.0	106.5	13.4	18
Benzo(a)anthracene	LCS	LCS DUP	100.0	101.0	100.5	0.7	1
Benzo(a)anthracene	LCS	LCS DUP	100.0	95.0	97.5	3.5	5
Benzo(a)anthracene	LCS	LCS DUP	119.0	114.0	116.5	3.5	4
Benzo(a)anthracene	LCS	LCS DUP	98.0	101.0	99.5	2.1	3
Benzo(a)anthracene	LCS	LCS DUP	97.0	88.0	92.5	6.4	10
Benzo(a)anthracene	LCS	LCS DUP	94.0	104.0	99	7.1	10
Benzo(a)anthracene	LCS	LCS DUP	103.0	108.0	105.5	3.5	5

Compiled: 11 May 1994

NC = Not Confirmed    ND = Not Detected    ( ) = Footnote Character



TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Benzo(a)anthracene	LCS	LCS DUP	114.0	120.0	117	4.2	5
Benzo(a)anthracene	LCS	LCS DUP	105.0	94.0	99.5	7.8	11
Benzo(a)anthracene	LCS	LCS DUP	94.0	99.0	96.5	3.5	5
Benzo(a)anthracene	LCS	LCS DUP	97.0	92.0	94.5	3.5	5
Benzo(a)anthracene	LCS	LCS DUP	97.0	102.0	99.5	3.5	5
Benzo(a)anthracene	LCS	LCS DUP	94.0	99.0	96.5	3.5	5
Benzo(a)anthracene	LCS	LCS DUP	93.0	93.0	93	0.0	0
Benzo(a)anthracene	LCS	LCS DUP	104.0	100.0	102	2.8	4
Benzo(a)anthracene	LCS	LCS DUP	94.0	95.0	94.5	0.7	1
Benzo(a)anthracene	LCS	LCS DUP	92.0	86.0	89	4.2	7
Benzo(a)anthracene	LCS	LCS DUP	103.0	98.0	100.5	3.5	5
Benzo(a)pyrene	LCS	LCS DUP	89.0	86.0	87.5	2.1	3
Benzo(a)pyrene	LCS	LCS DUP	84.0	74.0	79	7.1	13
Benzo(a)pyrene	LCS	LCS DUP	82.0	83.0	82.5	0.7	1
Benzo(a)pyrene	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Benzo(a)pyrene	LCS	LCS DUP	86.0	84.0	85	1.4	2
Benzo(a)pyrene	LCS	LCS DUP	88.0	89.0	88.5	0.7	1
Benzo(a)pyrene	LCS	LCS DUP	116.0	98.0	107	12.7	17
Benzo(a)pyrene	LCS	LCS DUP	90.0	93.0	91.5	2.1	3
Benzo(a)pyrene	LCS	LCS DUP	88.0	84.0	86	2.8	5
Benzo(a)pyrene	LCS	LCS DUP	118.0	109.0	113.5	6.4	8
Benzo(a)pyrene	LCS	LCS DUP	86.0	93.0	89.5	4.9	8
Benzo(a)pyrene	LCS	LCS DUP	99.0	88.0	93.5	7.8	12
Benzo(a)pyrene	LCS	LCS DUP	82.0	87.0	84.5	3.5	6
Benzo(a)pyrene	LCS	LCS DUP	94.0	99.0	96.5	3.5	5
Benzo(a)pyrene	LCS	LCS DUP	107.0	114.0	110.5	4.9	6
Benzo(a)pyrene	LCS	LCS DUP	90.0	88.0	89	1.4	2
Benzo(a)pyrene	LCS	LCS DUP	86.0	92.0	89	4.2	7
Benzo(a)pyrene	LCS	LCS DUP	93.0	90.0	91.5	2.1	3
Benzo(a)pyrene	LCS	LCS DUP	90.0	96.0	93	4.2	6
Benzo(a)pyrene	LCS	LCS DUP	87.0	92.0	89.5	3.5	6
Benzo(a)pyrene	LCS	LCS DUP	93.0	89.0	91	2.8	4

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-177

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Benzo(a)pyrene	LCS	LCS DUP	97.0	96.0	96.5	0.7	1
Benzo(a)pyrene	LCS	LCS DUP	86.0	86.0	86	0.0	0
Benzo(a)pyrene	LCS	LCS DUP	88.0	83.0	85.5	3.5	6
Benzo(a)pyrene	LCS	LCS DUP	95.0	90.0	92.5	3.5	5
Benzo(b)fluoranthene	LCS	LCS DUP	92.0	85.0	88.5	4.9	8
Benzo(b)fluoranthene	LCS	LCS DUP	87.0	77.0	82	7.1	12
Benzo(b)fluoranthene	LCS	LCS DUP	85.0	86.0	85.5	0.7	1
Benzo(b)fluoranthene	LCS	LCS DUP	87.0	92.0	89.5	3.5	6
Benzo(b)fluoranthene	LCS	LCS DUP	86.0	85.0	85.5	0.7	1
Benzo(b)fluoranthene	LCS	LCS DUP	86.0	90.0	88	2.8	5
Benzo(b)fluoranthene	LCS	LCS DUP	136.0	95.0	115.5	29.0	35
Benzo(b)fluoranthene	LCS	LCS DUP	91.0	91.0	91	0.0	0
Benzo(b)fluoranthene	LCS	LCS DUP	89.0	85.0	87	2.8	5
Benzo(b)fluoranthene	LCS	LCS DUP	111.0	107.0	109	2.8	4
Benzo(b)fluoranthene	LCS	LCS DUP	90.0	98.0	94	5.7	9
Benzo(b)fluoranthene	LCS	LCS DUP	96.0	81.0	88.5	10.6	17
Benzo(b)fluoranthene	LCS	LCS DUP	92.0	94.0	93	1.4	2
Benzo(b)fluoranthene	LCS	LCS DUP	89.0	96.0	92.5	4.9	8
Benzo(b)fluoranthene	LCS	LCS DUP	104.0	112.0	108	5.7	7
Benzo(b)fluoranthene	LCS	LCS DUP	90.0	87.0	88.5	2.1	3
Benzo(b)fluoranthene	LCS	LCS DUP	80.0	89.0	84.5	6.4	11
Benzo(b)fluoranthene	LCS	LCS DUP	87.0	80.0	83.5	4.9	8
Benzo(b)fluoranthene	LCS	LCS DUP	88.0	92.0	90	2.8	4
Benzo(b)fluoranthene	LCS	LCS DUP	86.0	91.0	88.5	3.5	6
Benzo(b)fluoranthene	LCS	LCS DUP	91.0	81.0	86	7.1	12
Benzo(b)fluoranthene	LCS	LCS DUP	91.0	99.0	95	5.7	8
Benzo(b)fluoranthene	LCS	LCS DUP	80.0	85.0	82.5	3.5	6
Benzo(b)fluoranthene	LCS	LCS DUP	88.0	78.0	83	7.1	12
Benzo(g,h,i)perylene	LCS	LCS DUP	91.0	90.0	90.5	0.7	1
Benzo(g,h,i)perylene	LCS	LCS DUP	90.0	88.0	89	1.4	2
Benzo(g,h,i)perylene	LCS	LCS DUP	84.0	72.0	78	8.5	15
Benzo(g,h,i)perylene	LCS	LCS DUP	86.0	86.0	86	0.0	0

Compiled: 11 May 1994

NC = Not Confirmed Table ND = Not Detected ( ) = Footnote Character

A-3-178

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Benzo(g,h,i)perylene	LCS	LCS DUP	82.0	82.0	82	0.0	0
Benzo(g,h,i)perylene	LCS	LCS DUP	93.0	91.0	92	1.4	2
Benzo(g,h,i)perylene	LCS	LCS DUP	94.0	95.0	94.5	0.7	1
Benzo(g,h,i)perylene	LCS	LCS DUP	115.0	97.0	106	12.7	17
Benzo(g,h,i)perylene	LCS	LCS DUP	82.0	83.0	82.5	0.7	1
Benzo(g,h,i)perylene	LCS	LCS DUP	89.0	85.0	87	2.8	5
Benzo(g,h,i)perylene	LCS	LCS DUP	129.0	122.0	125.5	4.9	6
Benzo(g,h,i)perylene	LCS	LCS DUP	90.0	97.0	93.5	4.9	7
Benzo(g,h,i)perylene	LCS	LCS DUP	90.0	79.0	84.5	7.8	13
Benzo(g,h,i)perylene	LCS	LCS DUP	77.0	85.0	81	5.7	10
Benzo(g,h,i)perylene	LCS	LCS DUP	112.0	114.0	113	1.4	2
Benzo(g,h,i)perylene	LCS	LCS DUP	100.0	108.0	104	5.7	8
Benzo(g,h,i)perylene	LCS	LCS DUP	91.0	87.0	89	2.8	4
Benzo(g,h,i)perylene	LCS	LCS DUP	81.0	81.0	81	0.0	0
Benzo(g,h,i)perylene	LCS	LCS DUP	84.0	76.0	80	5.7	10
Benzo(g,h,i)perylene	LCS	LCS DUP	109.0	114.0	111.5	3.5	4
Benzo(g,h,i)perylene	LCS	LCS DUP	66.0	71.0	68.5	3.5	7
Benzo(g,h,i)perylene	LCS	LCS DUP	90.0	84.0	87	4.2	7
Benzo(g,h,i)perylene	LCS	LCS DUP	100.0	98.0	99	1.4	2
Benzo(g,h,i)perylene	LCS	LCS DUP	80.0	86.0	83	4.2	7
Benzo(g,h,i)perylene	LCS	LCS DUP	94.0	84.0	89	7.1	11
Benzo(g,h,i)perylene	LCS	LCS DUP	124.0	114.0	119	7.1	8
Benzo(k)fluoranthene	LCS	LCS DUP	88.0	90.0	89	1.4	2
Benzo(k)fluoranthene	LCS	LCS DUP	86.0	75.0	80.5	7.8	14
Benzo(k)fluoranthene	LCS	LCS DUP	87.0	89.0	88	1.4	2
Benzo(k)fluoranthene	LCS	LCS DUP	94.0	90.0	92	2.8	4
Benzo(k)fluoranthene	LCS	LCS DUP	86.0	85.0	85.5	0.7	1
Benzo(k)fluoranthene	LCS	LCS DUP	91.0	90.0	90.5	0.7	1
Benzo(k)fluoranthene	LCS	LCS DUP	107.0	117.0	112	7.1	9
Benzo(k)fluoranthene	LCS	LCS DUP	105.0	111.0	108	4.2	6
Benzo(k)fluoranthene	LCS	LCS DUP	110.0	103.0	106.5	4.9	7
Benzo(k)fluoranthene	LCS	LCS DUP	136.0	126.0	131	7.1	8

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Benzo(k)fluoranthene	LCS	LCS DUP	106.0	112.0	109	4.2	6
Benzo(k)fluoranthene	LCS	LCS DUP	107.0	114.0	110.5	4.9	6
Benzo(k)fluoranthene	LCS	LCS DUP	106.0	106.0	106	0.0	0
Benzo(k)fluoranthene	LCS	LCS DUP	105.0	117.0	111	8.5	11
Benzo(k)fluoranthene	LCS	LCS DUP	119.0	135.0	127	11.3	13
Benzo(k)fluoranthene	LCS	LCS DUP	113.0	121.0	117	5.7	7
Benzo(k)fluoranthene	LCS	LCS DUP	89.0	102.0	95.5	9.2	14
Benzo(k)fluoranthene	LCS	LCS DUP	110.0	101.0	105.5	6.4	9
Benzo(k)fluoranthene	LCS	LCS DUP	102.0	106.0	104	2.8	4
Benzo(k)fluoranthene	LCS	LCS DUP	110.0	113.0	111.5	2.1	3
Benzo(k)fluoranthene	LCS	LCS DUP	108.0	107.0	107.5	0.7	1
Benzo(k)fluoranthene	LCS	LCS DUP	104.0	106.0	105	1.4	2
Benzo(k)fluoranthene	LCS	LCS DUP	100.0	119.0	109.5	13.4	17
Benzo(k)fluoranthene	LCS	LCS DUP	104.0	96.0	100	5.7	8
Benzo(k)fluoranthene	LCS	LCS DUP	107.0	97.0	102	7.1	10
Benzoic acid	LCS	LCS DUP	41.0	72.0	56.5	21.9	55
Benzoic acid	LCS	LCS DUP	82.0	60.0	71	15.6	31
Benzoic acid	LCS	LCS DUP	83.0	101.0	92	12.7	20
Benzoic acid	LCS	LCS DUP	50.0	54.0	52	2.8	8
Benzoic acid	LCS	LCS DUP	34.0	36.0	35	1.4	6
Benzoic acid	LCS	LCS DUP	97.0	111.0	104	9.9	13
Benzoic acid	LCS	LCS DUP	91.0	94.0	92.5	2.1	3
Benzoic acid	LCS	LCS DUP	74.0	88.0	81	9.9	17
Benzoic acid	LCS	LCS DUP	14.0	19.0	16.5	3.5	30
Benzoic acid	LCS	LCS DUP	86.0	92.0	89	4.2	7
Benzoic acid	LCS	LCS DUP	76.0	60.0	68	11.3	24
Benzoic acid	LCS	LCS DUP	71.0	48.0	59.5	16.3	39
Benzoic acid	LCS	LCS DUP	50.0	50.0	50	0.0	0
Benzoic acid	LCS	LCS DUP	87.0	82.0	84.5	3.5	6
Benzoic acid	LCS	LCS DUP	59.0	27.0	43	22.6	74
Benzoic acid	LCS	LCS DUP	75.0	45.0	60	21.2	50
Benzoic acid	LCS	LCS DUP	27.0	32.0	29.5	3.5	17

Compiled: 11 May 1994

NC = Not Comparable

ND = Not Detected

( ) = Footnote Character

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Benzoic acid	LCS	LCS DUP	108.0	109.0	108.5	0.7	1
Benzoic acid	LCS	LCS DUP	118.0	112.0	115	4.2	5
Benzoic acid	LCS	LCS DUP	32.0	32.0	32	0.0	0
Benzoic acid	LCS	LCS DUP	92.0	94.0	93	1.4	2
Benzoic acid	LCS	LCS DUP	118.0	95.0	106.5	16.3	22
Benzoic acid	LCS	LCS DUP	0.00	0.00	0	0.0	NC
Benzoic acid	LCS	LCS DUP	77.0	93.0	85	11.3	19
Benzoic acid	LCS	LCS DUP	157.0	146.0	151.5	7.8	7
Benzyl alcohol	LCS	LCS DUP	107.0	105.0	106	1.4	2
Benzyl alcohol	LCS	LCS DUP	103.0	93.0	98	7.1	10
Benzyl alcohol	LCS	LCS DUP	101.0	105.0	103	2.8	4
Benzyl alcohol	LCS	LCS DUP	109.0	112.0	110.5	2.1	3
Benzyl alcohol	LCS	LCS DUP	101.0	96.0	98.5	3.5	5
Benzyl alcohol	LCS	LCS DUP	107.0	110.0	108.5	2.1	3
Benzyl alcohol	LCS	LCS DUP	112.0	111.0	111.5	0.7	1
Benzyl alcohol	LCS	LCS DUP	95.0	95.0	95	0.0	0
Benzyl alcohol	LCS	LCS DUP	89.0	95.0	92	4.2	7
Benzyl alcohol	LCS	LCS DUP	102.0	102.0	102	0.0	0
Benzyl alcohol	LCS	LCS DUP	102.0	103.0	102.5	0.7	1
Benzyl alcohol	LCS	LCS DUP	120.0	104.0	112	11.3	14
Benzyl alcohol	LCS	LCS DUP	101.0	106.0	103.5	3.5	5
Benzyl alcohol	LCS	LCS DUP	97.0	99.0	98	1.4	2
Benzyl alcohol	LCS	LCS DUP	139.0	133.0	136	4.2	4
Benzyl alcohol	LCS	LCS DUP	107.0	119.0	113	8.5	11
Benzyl alcohol	LCS	LCS DUP	93.0	105.0	99	8.5	12
Benzyl alcohol	LCS	LCS DUP	102.0	104.0	103	1.4	2
Benzyl alcohol	LCS	LCS DUP	100.0	103.0	101.5	2.1	3
Benzyl alcohol	LCS	LCS DUP	94.0	99.0	96.5	3.5	5
Benzyl alcohol	LCS	LCS DUP	119.0	111.0	115	5.7	7
Benzyl alcohol	LCS	LCS DUP	105.0	87.0	96	12.7	19
Benzyl alcohol	LCS	LCS DUP	79.0	72.0	75.5	4.9	9
Benzyl alcohol	LCS	LCS DUP	89.0	87.0	88	1.4	2

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-181

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Benzyl alcohol	LCS	LCS DUP	112.0	103.0	107.5	6.4	8
Butylbenzylphthalate	LCS	LCS DUP	95.0	95.0	95	0.0	0
Butylbenzylphthalate	LCS	LCS DUP	95.0	83.0	89	8.5	13
Butylbenzylphthalate	LCS	LCS DUP	89.0	94.0	91.5	3.5	5
Butylbenzylphthalate	LCS	LCS DUP	94.0	98.0	96	2.8	4
Butylbenzylphthalate	LCS	LCS DUP	90.0	90.0	90	0.0	0
Butylbenzylphthalate	LCS	LCS DUP	93.0	94.0	93.5	0.7	1
Butylbenzylphthalate	LCS	LCS DUP	116.0	96.0	106	14.1	19
Butylbenzylphthalate	LCS	LCS DUP	100.0	102.0	101	1.4	2
Butylbenzylphthalate	LCS	LCS DUP	108.0	101.0	104.5	4.9	7
Butylbenzylphthalate	LCS	LCS DUP	127.0	126.0	126.5	0.7	1
Butylbenzylphthalate	LCS	LCS DUP	116.0	118.0	117	1.4	2
Butylbenzylphthalate	LCS	LCS DUP	97.0	88.0	92.5	6.4	10
Butylbenzylphthalate	LCS	LCS DUP	93.0	100.0	96.5	4.9	7
Butylbenzylphthalate	LCS	LCS DUP	126.0	110.0	118	11.3	14
Butylbenzylphthalate	LCS	LCS DUP	117.0	123.0	120	4.2	5
Butylbenzylphthalate	LCS	LCS DUP	106.0	95.0	100.5	7.8	11
Butylbenzylphthalate	LCS	LCS DUP	95.0	99.0	97	2.8	4
Butylbenzylphthalate	LCS	LCS DUP	95.0	86.0	90.5	6.4	10
Butylbenzylphthalate	LCS	LCS DUP	110.0	116.0	113	4.2	5
Butylbenzylphthalate	LCS	LCS DUP	89.0	96.0	92.5	4.9	8
Butylbenzylphthalate	LCS	LCS DUP	86.0	80.0	83	4.2	7
Butylbenzylphthalate	LCS	LCS DUP	119.0	105.0	112	9.9	13
Butylbenzylphthalate	LCS	LCS DUP	105.0	107.0	106	1.4	2
Butylbenzylphthalate	LCS	LCS DUP	96.0	90.0	93	4.2	6
Butylbenzylphthalate	LCS	LCS DUP	117.0	111.0	114	4.2	5
Chrysene	LCS	LCS DUP	97.0	95.0	96	1.4	2
Chrysene	LCS	LCS DUP	95.0	82.0	88.5	9.2	15
Chrysene	LCS	LCS DUP	88.0	93.0	90.5	3.5	6
Chrysene	LCS	LCS DUP	92.0	95.0	93.5	2.1	3
Chrysene	LCS	LCS DUP	89.0	88.0	88.5	0.7	1
Chrysene	LCS	LCS DUP	92.0	93.0	92.5	0.7	1

Compiled: 11 May 1994

NC = Not Confirmed      ND = Not Detected      ( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Chrysene	LCS	LCS DUP	119.0	98.0	108.5	14.8	19
Chrysene	LCS	LCS DUP	100.0	100.0	100	0.0	0
Chrysene	LCS	LCS DUP	98.0	92.0	95	4.2	6
Chrysene	LCS	LCS DUP	116.0	113.0	114.5	2.1	3
Chrysene	LCS	LCS DUP	98.0	100.0	99	1.4	2
Chrysene	LCS	LCS DUP	102.0	91.0	96.5	7.8	11
Chrysene	LCS	LCS DUP	99.0	109.0	104	7.1	10
Chrysene	LCS	LCS DUP	101.0	104.0	102.5	2.1	3
Chrysene	LCS	LCS DUP	118.0	118.0	118	0.0	0
Chrysene	LCS	LCS DUP	106.0	95.0	100.5	7.8	11
Chrysene	LCS	LCS DUP	97.0	100.0	98.5	2.1	3
Chrysene	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Chrysene	LCS	LCS DUP	98.0	104.0	101	4.2	6
Chrysene	LCS	LCS DUP	91.0	98.0	94.5	4.9	7
Chrysene	LCS	LCS DUP	100.0	94.0	97	4.2	6
Chrysene	LCS	LCS DUP	106.0	102.0	104	2.8	4
Chrysene	LCS	LCS DUP	98.0	93.0	95.5	3.5	5
Chrysene	LCS	LCS DUP	94.0	89.0	91.5	3.5	5
Chrysene	LCS	LCS DUP	106.0	101.0	103.5	3.5	5
Chrysene	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Di-n-octylphthalate	LCS	LCS DUP	93.0	83.0	88	7.1	11
Di-n-octylphthalate	LCS	LCS DUP	88.0	90.0	89	1.4	2
Di-n-octylphthalate	LCS	LCS DUP	96.0	95.0	95.5	0.7	1
Di-n-octylphthalate	LCS	LCS DUP	89.0	88.0	88.5	0.7	1
Di-n-octylphthalate	LCS	LCS DUP	89.0	90.0	89.5	0.7	1
Di-n-octylphthalate	LCS	LCS DUP	133.0	111.0	122	15.6	18
Di-n-octylphthalate	LCS	LCS DUP	103.0	105.0	104	1.4	2
Di-n-octylphthalate	LCS	LCS DUP	118.0	110.0	114	5.7	7
Di-n-octylphthalate	LCS	LCS DUP	144.0	139.0	141.5	3.5	4
Di-n-octylphthalate	LCS	LCS DUP	125.0	137.0	131	8.5	9
Di-n-octylphthalate	LCS	LCS DUP	108.0	102.0	105	4.2	6
Di-n-octylphthalate	LCS	LCS DUP	104.0	106.0	105	1.4	2

Method = SW8270, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-183

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Di-n-octylphthalate	LCS	LCS DUP	119.0	119.0	119	0.0	0
Di-n-octylphthalate	LCS	LCS DUP	129.0	135.0	132	4.2	5
Di-n-octylphthalate	LCS	LCS DUP	115.0	117.0	116	1.4	2
Di-n-octylphthalate	LCS	LCS DUP	111.0	114.0	112.5	2.1	3
Di-n-octylphthalate	LCS	LCS DUP	120.0	108.0	114	8.5	11
Di-n-octylphthalate	LCS	LCS DUP	121.0	128.0	124.5	4.9	6
Di-n-octylphthalate	LCS	LCS DUP	107.0	107.0	107	0.0	0
Di-n-octylphthalate	LCS	LCS DUP	104.0	93.0	98.5	7.8	11
Di-n-octylphthalate	LCS	LCS DUP	132.0	117.0	124.5	10.6	12
Di-n-octylphthalate	LCS	LCS DUP	104.0	108.0	106	2.8	4
Di-n-octylphthalate	LCS	LCS DUP	106.0	96.0	101	7.1	10
Di-n-octylphthalate	LCS	LCS DUP	114.0	111.0	112.5	2.1	3
Dibenz(a,h)anthracene	LCS	LCS DUP	90.0	89.0	89.5	0.7	1
Dibenz(a,h)anthracene	LCS	LCS DUP	84.0	72.0	78	8.5	15
Dibenz(a,h)anthracene	LCS	LCS DUP	88.0	90.0	89	1.4	2
Dibenz(a,h)anthracene	LCS	LCS DUP	83.0	84.0	83.5	0.7	1
Dibenz(a,h)anthracene	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Dibenz(a,h)anthracene	LCS	LCS DUP	99.0	100.0	99.5	0.7	1
Dibenz(a,h)anthracene	LCS	LCS DUP	116.0	96.0	106	14.1	19
Dibenz(a,h)anthracene	LCS	LCS DUP	83.0	83.0	83	0.0	0
Dibenz(a,h)anthracene	LCS	LCS DUP	70.0	67.0	68.5	2.1	4
Dibenz(a,h)anthracene	LCS	LCS DUP	119.0	114.0	116.5	3.5	4
Dibenz(a,h)anthracene	LCS	LCS DUP	85.0	92.0	88.5	4.9	8
Dibenz(a,h)anthracene	LCS	LCS DUP	90.0	85.0	87.5	3.5	6
Dibenz(a,h)anthracene	LCS	LCS DUP	82.0	87.0	84.5	3.5	6
Dibenz(a,h)anthracene	LCS	LCS DUP	98.0	104.0	101	4.2	6
Dibenz(a,h)anthracene	LCS	LCS DUP	102.0	109.0	105.5	4.9	7
Dibenz(a,h)anthracene	LCS	LCS DUP	91.0	88.0	89.5	2.1	3
Dibenz(a,h)anthracene	LCS	LCS DUP	82.0	84.0	83	1.4	2
Dibenz(a,h)anthracene	LCS	LCS DUP	86.0	80.0	83	4.2	7
Dibenz(a,h)anthracene	LCS	LCS DUP	99.0	106.0	102.5	4.9	7
Dibenz(a,h)anthracene	LCS	LCS DUP	59.0	61.0	60	1.4	3

Compiled: 11 May 1994

NC = Not Cachable

ND = Not Detected

() = Footnote Character

A-3-184



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Dibenz(a,h)anthracene	LCS	LCS DUP	94.0	86.0	90	5.7	9
Dibenz(a,h)anthracene	LCS	LCS DUP	88.0	87.0	87.5	0.7	1
Dibenz(a,h)anthracene	LCS	LCS DUP	85.0	84.0	84.5	0.7	1
Dibenz(a,h)anthracene	LCS	LCS DUP	94.0	82.0	88	8.5	14
Dibenz(a,h)anthracene	LCS	LCS DUP	113.0	100.0	106.5	9.2	12
Dibenzofuran	LCS	LCS DUP	102.0	99.0	100.5	2.1	3
Dibenzofuran	LCS	LCS DUP	103.0	90.0	96.5	9.2	13
Dibenzofuran	LCS	LCS DUP	102.0	104.0	103	1.4	2
Dibenzofuran	LCS	LCS DUP	106.0	108.0	107	1.4	2
Dibenzofuran	LCS	LCS DUP	102.0	98.0	100	2.8	4
Dibenzofuran	LCS	LCS DUP	106.0	108.0	107	1.4	2
Dibenzofuran	LCS	LCS DUP	97.0	96.0	96.5	0.7	1
Dibenzofuran	LCS	LCS DUP	97.0	97.0	97	0.0	0
Dibenzofuran	LCS	LCS DUP	98.0	94.0	96	2.8	4
Dibenzofuran	LCS	LCS DUP	105.0	106.0	105.5	0.7	1
Dibenzofuran	LCS	LCS DUP	95.0	100.0	97.5	3.5	5
Dibenzofuran	LCS	LCS DUP	98.0	98.0	98	0.0	0
Dibenzofuran	LCS	LCS DUP	84.0	92.0	88	5.7	9
Dibenzofuran	LCS	LCS DUP	100.0	104.0	102	2.8	4
Dibenzofuran	LCS	LCS DUP	114.0	118.0	116	2.8	3
Dibenzofuran	LCS	LCS DUP	101.0	101.0	101	0.0	0
Dibenzofuran	LCS	LCS DUP	91.0	91.0	91	0.0	0
Dibenzofuran	LCS	LCS DUP	94.0	92.0	93	1.4	2
Dibenzofuran	LCS	LCS DUP	94.0	98.0	96	2.8	4
Dibenzofuran	LCS	LCS DUP	95.0	99.0	97	2.8	4
Dibenzofuran	LCS	LCS DUP	103.0	98.0	100.5	3.5	5
Dibenzofuran	LCS	LCS DUP	100.0	91.0	95.5	6.4	9
Dibenzofuran	LCS	LCS DUP	89.0	88.0	88.5	0.7	1
Dibenzofuran	LCS	LCS DUP	96.0	91.0	93.5	3.5	5
Dibenzofuran	LCS	LCS DUP	98.0	94.0	96	2.8	4
Dibutylphthalate	LCS	LCS DUP	101.0	97.0	99	2.8	4
Dibutylphthalate	LCS	LCS DUP	98.0	86.0	92	8.5	13

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-185

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Dibutylphthalate	LCS	LCS DUP	92.0	92.0	92	0.0	0
Dibutylphthalate	LCS	LCS DUP	99.0	97.0	98	1.4	2
Dibutylphthalate	LCS	LCS DUP	97.0	96.0	96.5	0.7	1
Dibutylphthalate	LCS	LCS DUP	96.0	96.0	96	0.0	0
Dibutylphthalate	LCS	LCS DUP	102.0	100.0	101	1.4	2
Dibutylphthalate	LCS	LCS DUP	99.0	100.0	99.5	0.7	1
Dibutylphthalate	LCS	LCS DUP	107.0	101.0	104	4.2	6
Dibutylphthalate	LCS	LCS DUP	113.0	114.0	113.5	0.7	1
Dibutylphthalate	LCS	LCS DUP	107.0	114.0	110.5	4.9	6
Dibutylphthalate	LCS	LCS DUP	102.0	98.0	100	2.8	4
Dibutylphthalate	LCS	LCS DUP	88.0	93.0	90.5	3.5	6
Dibutylphthalate	LCS	LCS DUP	111.0	113.0	112	1.4	2
Dibutylphthalate	LCS	LCS DUP	115.0	121.0 (Q)	118	4.2	5
Dibutylphthalate	LCS	LCS DUP	104.0	102.0	103	1.4	2
Dibutylphthalate	LCS	LCS DUP	95.0	100.0	97.5	3.5	5
Dibutylphthalate	LCS	LCS DUP	100.0	92.0	96	5.7	8
Dibutylphthalate	LCS	LCS DUP	109.0	113.0	111	2.8	4
Dibutylphthalate	LCS	LCS DUP	98.0	111.0	104.5	9.2	12
Dibutylphthalate	LCS	LCS DUP	94.0	88.0	91	4.2	7
Dibutylphthalate	LCS	LCS DUP	105.0	103.0	104	1.4	2
Dibutylphthalate	LCS	LCS DUP	92.0	98.0	95	4.2	6
Dibutylphthalate	LCS	LCS DUP	96.0	92.0	94	2.8	4
Dibutylphthalate	LCS	LCS DUP	116.0	110.0	113	4.2	5
Diethylphthalate	LCS	LCS DUP	102.0	100.0	101	1.4	2
Diethylphthalate	LCS	LCS DUP	104.0	90.0	97	9.9	14
Diethylphthalate	LCS	LCS DUP	102.0	104.0	103	1.4	2
Diethylphthalate	LCS	LCS DUP	106.0	108.0	107	1.4	2
Diethylphthalate	LCS	LCS DUP	104.0	100.0	102	2.8	4
Diethylphthalate	LCS	LCS DUP	106.0	108.0	107	1.4	2
Diethylphthalate	LCS	LCS DUP	116.0 (Q)	116.0 (Q)	116	0.0	0
Diethylphthalate	LCS	LCS DUP	100.0	101.0	100.5	0.7	1
Diethylphthalate	LCS	LCS DUP	104.0	98.0	101	4.2	6

Method = SW8270, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Confirmed    ND = Not Detected    ( ) = Footnote Character

TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Diethylphthalate	LCS	LCS DUP	112.0	112.0	112	0.0	0
Diethylphthalate	LCS	LCS DUP	103.0	110.0	106.5	4.9	7
Diethylphthalate	LCS	LCS DUP	113.0	115.0 (Q)	114	1.4	2
Diethylphthalate	LCS	LCS DUP	102.0	108.0	105	4.2	6
Diethylphthalate	LCS	LCS DUP	107.0	111.0	109	2.8	4
Diethylphthalate	LCS	LCS DUP	127.0 (Q)	135.0 (Q)	131	5.7	6
Diethylphthalate	LCS	LCS DUP	115.0 (Q)	114.0	114.5	0.7	1
Diethylphthalate	LCS	LCS DUP	106.0	106.0	106	0.0	0
Diethylphthalate	LCS	LCS DUP	108.0	100.0	104	5.7	8
Diethylphthalate	LCS	LCS DUP	101.0	105.0	103	2.8	4
Diethylphthalate	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
Diethylphthalate	LCS	LCS DUP	109.0	102.0	105.5	4.9	7
Diethylphthalate	LCS	LCS DUP	99.0	95.0	97	2.8	4
Diethylphthalate	LCS	LCS DUP	113.0	111.0	112	1.4	2
Diethylphthalate	LCS	LCS DUP	111.0	105.0	108	4.2	6
Diethylphthalate	LCS	LCS DUP	111.0	107.0	109	2.8	4
Dimethylphthalate	LCS	LCS DUP	94.0	90.0	92	2.8	4
Dimethylphthalate	LCS	LCS DUP	95.0	84.0	89.5	7.8	12
Dimethylphthalate	LCS	LCS DUP	94.0	96.0	95	1.4	2
Dimethylphthalate	LCS	LCS DUP	100.0	102.0	101	1.4	2
Dimethylphthalate	LCS	LCS DUP	99.0	95.0	97	2.8	4
Dimethylphthalate	LCS	LCS DUP	101.0	102.0	101.5	0.7	1
Dimethylphthalate	LCS	LCS DUP	106.0	108.0	107	1.4	2
Dimethylphthalate	LCS	LCS DUP	98.0	98.0	98	0.0	0
Dimethylphthalate	LCS	LCS DUP	102.0	97.0	99.5	3.5	5
Dimethylphthalate	LCS	LCS DUP	106.0	108.0	107	1.4	2
Dimethylphthalate	LCS	LCS DUP	98.0	104.0	101	4.2	6
Dimethylphthalate	LCS	LCS DUP	106.0	106.0	106	0.0	0
Dimethylphthalate	LCS	LCS DUP	91.0	98.0	94.5	4.9	7
Dimethylphthalate	LCS	LCS DUP	102.0	107.0	104.5	3.5	5
Dimethylphthalate	LCS	LCS DUP	123.0 (Q)	129.0 (Q)	126	4.2	5
Dimethylphthalate	LCS	LCS DUP	108.0	105.0	106.5	2.1	3

Method = SW8270, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-187

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Dimethylphthalate	LCS	LCS DUP	97.0	101.0	99	2.8	4
Dimethylphthalate	LCS	LCS DUP	100.0	97.0	98.5	2.1	3
Dimethylphthalate	LCS	LCS DUP	96.0	102.0	99	4.2	6
Dimethylphthalate	LCS	LCS DUP	96.0	98.0	97	1.4	2
Dimethylphthalate	LCS	LCS DUP	102.0	100.0	101	1.4	2
Dimethylphthalate	LCS	LCS DUP	96.0	95.0	95.5	0.7	1
Dimethylphthalate	LCS	LCS DUP	98.0	98.0	98	0.0	0
Dimethylphthalate	LCS	LCS DUP	99.0	93.0	96	4.2	6
Dimethylphthalate	LCS	LCS DUP	105.0	100.0	102.5	3.5	5
Fluoranthene	LCS	LCS DUP	97.0	93.0	95	2.8	4
Fluoranthene	LCS	LCS DUP	94.0	81.0	87.5	9.2	15
Fluoranthene	LCS	LCS DUP	90.0	93.0	91.5	2.1	3
Fluoranthene	LCS	LCS DUP	96.0	97.0	96.5	0.7	1
Fluoranthene	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
Fluoranthene	LCS	LCS DUP	94.0	94.0	94	0.0	0
Fluoranthene	LCS	LCS DUP	96.0	94.0	95	1.4	2
Fluoranthene	LCS	LCS DUP	92.0	94.0	93	1.4	2
Fluoranthene	LCS	LCS DUP	99.0	94.0	96.5	3.5	5
Fluoranthene	LCS	LCS DUP	99.0	98.0	98.5	0.7	1
Fluoranthene	LCS	LCS DUP	90.0	97.0	93.5	4.9	7
Fluoranthene	LCS	LCS DUP	96.0	92.0	94	2.8	4
Fluoranthene	LCS	LCS DUP	81.0	101.0	91	14.1	22
Fluoranthene	LCS	LCS DUP	101.0	103.0	102	1.4	2
Fluoranthene	LCS	LCS DUP	106.0	107.0	106.5	0.7	1
Fluoranthene	LCS	LCS DUP	93.0	91.0	92	1.4	2
Fluoranthene	LCS	LCS DUP	82.0	88.0	85	4.2	7
Fluoranthene	LCS	LCS DUP	84.0	85.0	84.5	0.7	1
Fluoranthene	LCS	LCS DUP	94.0	97.0	95.5	2.1	3
Fluoranthene	LCS	LCS DUP	82.0	112.0	97	21.2	31
Fluoranthene	LCS	LCS DUP	90.0	88.0	89	1.4	2
Fluoranthene	LCS	LCS DUP	92.0	90.0	91	1.4	2
Fluoranthene	LCS	LCS DUP	82.0	84.0	83	1.4	2

Compiled: 11 May 1994

NC = Not Confirmed      ND = Not Detected      ( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Fluoranthene	LCS	LCS DUP	88.0	80.0	84	5.7	10
Fluoranthene	LCS	LCS DUP	100.0	94.0	97	4.2	6
Fluorene	LCS	LCS DUP	88.0	85.0	86.5	2.1	3
Fluorene	LCS	LCS DUP	88.0	76.0	82	8.5	15
Fluorene	LCS	LCS DUP	87.0	89.0	88	1.4	2
Fluorene	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
Fluorene	LCS	LCS DUP	87.0	83.0	85	2.8	5
Fluorene	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Fluorene	LCS	LCS DUP	90.0	93.0	91.5	2.1	3
Fluorene	LCS	LCS DUP	84.0	84.0	84	0.0	0
Fluorene	LCS	LCS DUP	86.0	82.0	84	2.8	5
Fluorene	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Fluorene	LCS	LCS DUP	83.0	89.0	86	4.2	7
Fluorene	LCS	LCS DUP	92.0	94.0	93	1.4	2
Fluorene	LCS	LCS DUP	83.0	92.0	87.5	6.4	10
Fluorene	LCS	LCS DUP	90.0	90.0	90	0.0	0
Fluorene	LCS	LCS DUP	106.0	113.0	109.5	4.9	6
Fluorene	LCS	LCS DUP	97.0	97.0	97	0.0	0
Fluorene	LCS	LCS DUP	91.0	87.0	89	2.8	4
Fluorene	LCS	LCS DUP	95.0	86.0	90.5	6.4	10
Fluorene	LCS	LCS DUP	82.0	85.0	83.5	2.1	4
Fluorene	LCS	LCS DUP	81.0	89.0	85	5.7	9
Fluorene	LCS	LCS DUP	101.0	94.0	97.5	4.9	7
Fluorene	LCS	LCS DUP	82.0	79.0	80.5	2.1	4
Fluorene	LCS	LCS DUP	88.0	87.0	87.5	0.7	1
Fluorene	LCS	LCS DUP	92.0	85.0	88.5	4.9	8
Fluorene	LCS	LCS DUP	84.0	81.0	82.5	2.1	4
Hexachlorobenzene	LCS	LCS DUP	109.0	106.0	107.5	2.1	3
Hexachlorobenzene	LCS	LCS DUP	113.0	100.0	106.5	9.2	12
Hexachlorobenzene	LCS	LCS DUP	108.0	112.0	110	2.8	4
Hexachlorobenzene	LCS	LCS DUP	118.0	120.0	119	1.4	2
Hexachlorobenzene	LCS	LCS DUP	116.0	115.0	115.5	0.7	1

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-189

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Hexachlorobenzene	LCS	LCS DUP	115.0	117.0	116	1.4	2
Hexachlorobenzene	LCS	LCS DUP	84.0	84.0	84	0.0	0
Hexachlorobenzene	LCS	LCS DUP	101.0	103.0	102	1.4	2
Hexachlorobenzene	LCS	LCS DUP	103.0	96.0	99.5	4.9	7
Hexachlorobenzene	LCS	LCS DUP	98.0	98.0	98	0.0	0
Hexachlorobenzene	LCS	LCS DUP	85.0	91.0	88	4.2	7
Hexachlorobenzene	LCS	LCS DUP	83.0	82.0	82.5	0.7	1
Hexachlorobenzene	LCS	LCS DUP	71.0	79.0	75	5.7	11
Hexachlorobenzene	LCS	LCS DUP	99.0	105.0	102	4.2	6
Hexachlorobenzene	LCS	LCS DUP	96.0	96.0	96	0.0	0
Hexachlorobenzene	LCS	LCS DUP	81.0	82.0	81.5	0.7	1
Hexachlorobenzene	LCS	LCS DUP	74.0	82.0	78	5.7	10
Hexachlorobenzene	LCS	LCS DUP	79.0	75.0	77	2.8	5
Hexachlorobenzene	LCS	LCS DUP	86.0	91.0	88.5	3.5	6
Hexachlorobenzene	LCS	LCS DUP	111.0	101.0	106	7.1	9
Hexachlorobenzene	LCS	LCS DUP	87.0	82.0	84.5	3.5	6
Hexachlorobenzene	LCS	LCS DUP	86.0	79.0	82.5	4.9	8
Hexachlorobenzene	LCS	LCS DUP	70.0	70.0	70	0.0	0
Hexachlorobenzene	LCS	LCS DUP	86.0	72.0	79	9.9	18
Hexachlorobenzene	LCS	LCS DUP	100.0	94.0	97	4.2	6
Hexachlorobutadiene	LCS	LCS DUP	83.0	79.0	81	2.8	5
Hexachlorobutadiene	LCS	LCS DUP	84.0	75.0	79.5	6.4	11
Hexachlorobutadiene	LCS	LCS DUP	80.0	84.0	82	2.8	5
Hexachlorobutadiene	LCS	LCS DUP	88.0	90.0	89	1.4	2
Hexachlorobutadiene	LCS	LCS DUP	80.0	76.0	78	2.8	5
Hexachlorobutadiene	LCS	LCS DUP	86.0	89.0	87.5	2.1	3
Hexachlorobutadiene	LCS	LCS DUP	97.0	99.0	98	1.4	2
Hexachlorobutadiene	LCS	LCS DUP	89.0	92.0	90.5	2.1	3
Hexachlorobutadiene	LCS	LCS DUP	64.0	88.0	76	17.0	32
Hexachlorobutadiene	LCS	LCS DUP	96.0	94.0	95	1.4	2
Hexachlorobutadiene	LCS	LCS DUP	80.0	82.0	81	1.4	2
Hexachlorobutadiene	LCS	LCS DUP	93.0	84.0	88.5	6.4	10

Compiled: 11 May 1994

A-3-190

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Hexachlorobutadiene	LCS	LCS DUP	77.0	86.0	81.5	6.4	11
Hexachlorobutadiene	LCS	LCS DUP	95.0	99.0	97	2.8	4
Hexachlorobutadiene	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
Hexachlorobutadiene	LCS	LCS DUP	81.0	84.0	82.5	2.1	4
Hexachlorobutadiene	LCS	LCS DUP	80.0	88.0	84	5.7	10
Hexachlorobutadiene	LCS	LCS DUP	76.0	75.0	75.5	0.7	1
Hexachlorobutadiene	LCS	LCS DUP	84.0	86.0	85	1.4	2
Hexachlorobutadiene	LCS	LCS DUP	94.0	99.0	96.5	3.5	5
Hexachlorobutadiene	LCS	LCS DUP	94.0	92.0	93	1.4	2
Hexachlorobutadiene	LCS	LCS DUP	83.0	71.0	77	8.5	16
Hexachlorobutadiene	LCS	LCS DUP	37.0	35.0	36	1.4	6
Hexachlorobutadiene	LCS	LCS DUP	97.0	89.0	93	5.7	9
Hexachlorobutadiene	LCS	LCS DUP	103.0	95.0	99	5.7	8
Hexachlorocyclopentadiene	LCS	LCS DUP	13.0	7.0	10	4.2	60
Hexachlorocyclopentadiene	LCS	LCS DUP	9.0	10.0	9.5	0.7	11
Hexachlorocyclopentadiene	LCS	LCS DUP	7.0	4.0	5.5	2.1	55
Hexachlorocyclopentadiene	LCS	LCS DUP	36.0	38.0	37	1.4	5
Hexachlorocyclopentadiene	LCS	LCS DUP	22.0	17.0	19.5	3.5	26
Hexachlorocyclopentadiene	LCS	LCS DUP	19.0	22.0	20.5	2.1	15
Hexachlorocyclopentadiene	LCS	LCS DUP	18.0	17.0	17.5	0.7	6
Hexachlorocyclopentadiene	LCS	LCS DUP	16.0	14.0	15	1.4	13
Hexachlorocyclopentadiene	LCS	LCS DUP	95.0	104.0	99.5	6.4	9
Hexachlorocyclopentadiene	LCS	LCS DUP	33.0	29.0	31	2.8	13
Hexachlorocyclopentadiene	LCS	LCS DUP	9.0	7.0	8	1.4	25
Hexachlorocyclopentadiene	LCS	LCS DUP	26.0	11.0	18.5	10.6	81
Hexachlorocyclopentadiene	LCS	LCS DUP	19.0	0.00	9.5	13.4	200
Hexachlorocyclopentadiene	LCS	LCS DUP	26.0	31.0	28.5	3.5	18
Hexachlorocyclopentadiene	LCS	LCS DUP	0.00	22.0	11	15.6	200
Hexachlorocyclopentadiene	LCS	LCS DUP	17.0	23.0	20	4.2	30
Hexachlorocyclopentadiene	LCS	LCS DUP	74.0	95.0	84.5	14.8	25
Hexachlorocyclopentadiene	LCS	LCS DUP	191.0	185.0	188	4.2	3
Hexachlorocyclopentadiene	LCS	LCS DUP	3.0	4.0	3.5	0.7	29

Method = SW8270, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-191

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Hexachlorocyclopentadiene	LCS	LCS DUP	22.0	26.0	24	2.8	17
Hexachlorocyclopentadiene	LCS	LCS DUP	13.0	12.0	12.5	0.7	8
Hexachlorocyclopentadiene	LCS	LCS DUP	44.0	51.0	47.5	4.9	15
Hexachlorocyclopentadiene	LCS	LCS DUP	129.0	75.0	102	38.2	53
Hexachlorocyclopentadiene	LCS	LCS DUP	20.0	9.0	14.5	7.8	76
Hexachlorocyclopentadiene	LCS	LCS DUP	6.0	9.0	7.5	2.1	40
Hexachloroethane	LCS	LCS DUP	94.0	90.0	92	2.8	4
Hexachloroethane	LCS	LCS DUP	91.0	80.0	85.5	7.8	13
Hexachloroethane	LCS	LCS DUP	87.0	90.0	88.5	2.1	3
Hexachloroethane	LCS	LCS DUP	90.0	95.0	92.5	3.5	5
Hexachloroethane	LCS	LCS DUP	79.0	74.0	76.5	3.5	7
Hexachloroethane	LCS	LCS DUP	93.0	94.0	93.5	0.7	1
Hexachloroethane	LCS	LCS DUP	107.0	108.0	107.5	0.7	1
Hexachloroethane	LCS	LCS DUP	89.0	93.0	91	2.8	4
Hexachloroethane	LCS	LCS DUP	35.0 (QY)	89.0 (Y)	62	38.2	87
Hexachloroethane	LCS	LCS DUP	107.0	108.0	107.5	0.7	1
Hexachloroethane	LCS	LCS DUP	97.0	97.0	97	0.0	0
Hexachloroethane	LCS	LCS DUP	112.0	101.0	106.5	7.8	10
Hexachloroethane	LCS	LCS DUP	98.0	98.0	98	0.0	0
Hexachloroethane	LCS	LCS DUP	101.0	104.0	102.5	2.1	3
Hexachloroethane	LCS	LCS DUP	117.0 (Q)	120.0 (Q)	118.5	2.1	3
Hexachloroethane	LCS	LCS DUP	101.0	108.0	104.5	4.9	7
Hexachloroethane	LCS	LCS DUP	98.0	95.0	96.5	2.1	3
Hexachloroethane	LCS	LCS DUP	93.0	93.0	93	0.0	0
Hexachloroethane	LCS	LCS DUP	100.0	104.0	102	2.8	4
Hexachloroethane	LCS	LCS DUP	93.0	98.0	95.5	3.5	5
Hexachloroethane	LCS	LCS DUP	105.0	100.0	102.5	3.5	5
Hexachloroethane	LCS	LCS DUP	103.0	75.0	89	19.8	31
Hexachloroethane	LCS	LCS DUP	13.0 (Q)	10.0 (Q)	11.5	2.1	26
Hexachloroethane	LCS	LCS DUP	104.0	102.0	103	1.4	2
Hexachloroethane	LCS	LCS DUP	110.0	101.0	105.5	6.4	9
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	88.0	86.0	87	1.4	2

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-192



TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	82.0	70.0	76	8.5	16
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	84.0	86.0	85	1.4	2
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	71.0	73.0	72	1.4	3
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	81.0	79.0	80	1.4	3
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	81.0	83.0	82	1.4	2
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	96.0	91.0	93.5	3.5	5
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	78.0	78.0	78	0.0	0
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	70.0	68.0	69	1.4	3
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	110.0	103.0	106.5	4.9	7
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	79.0	83.0	81	2.8	5
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	88.0	82.0	85	4.2	7
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	64.0	82.0	73	12.7	25
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	91.0	95.0	93	2.8	4
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	84.0	90.0	87	4.2	7
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	76.0	73.0	74.5	2.1	4
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	68.0	68.0	68	0.0	0
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	82.0	67.0	74.5	10.6	20
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	87.0	92.0	89.5	3.5	6
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	65.0	69.0	67	2.8	6
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	81.0	68.0	74.5	9.2	17
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	85.0	84.0	84.5	0.7	1
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	80.0	70.0	75	7.1	13
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	76.0	70.0	73	4.2	8
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	97.0	91.0	94	4.2	6
Isophorone	LCS	LCS DUP	106.0	103.0	104.5	2.1	3
Isophorone	LCS	LCS DUP	101.0	89.0	95	8.5	13
Isophorone	LCS	LCS DUP	100.0	103.0	101.5	2.1	3
Isophorone	LCS	LCS DUP	106.0	107.0	106.5	0.7	1
Isophorone	LCS	LCS DUP	99.0	94.0	96.5	3.5	5
Isophorone	LCS	LCS DUP	105.0	107.0	106	1.4	2
Isophorone	LCS	LCS DUP	98.0	98.0	98	0.0	0
Isophorone	LCS	LCS DUP	96.0	98.0	97	1.4	2

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-193

TABLE A-3

DETAILED LISTING OF DUPLICATION RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Isophorone	LCS	LCS DUP	99.0	99.0	99	0.0	0
Isophorone	LCS	LCS DUP	104.0	103.0	103.5	0.7	1
Isophorone	LCS	LCS DUP	105.0	106.0	105.5	0.7	1
Isophorone	LCS	LCS DUP	99.0	90.0	94.5	6.4	10
Isophorone	LCS	LCS DUP	85.0	90.0	87.5	3.5	6
Isophorone	LCS	LCS DUP	93.0	95.0	94	1.4	2
Isophorone	LCS	LCS DUP	116.0	115.0	115.5	0.7	1
Isophorone	LCS	LCS DUP	97.0	101.0	99	2.8	4
Isophorone	LCS	LCS DUP	94.0	94.0	94	0.0	0
Isophorone	LCS	LCS DUP	96.0	92.0	94	2.8	4
Isophorone	LCS	LCS DUP	96.0	96.0	96	0.0	0
Isophorone	LCS	LCS DUP	108.0	101.0	104.5	4.9	7
Isophorone	LCS	LCS DUP	103.0	94.0	98.5	6.4	9
Isophorone	LCS	LCS DUP	108.0	96.0	102	8.5	12
Isophorone	LCS	LCS DUP	83.0	83.0	83	0.0	0
Isophorone	LCS	LCS DUP	93.0	91.0	92	1.4	2
Isophorone	LCS	LCS DUP	124.0	116.0	120	5.7	7
N-Nitrosodiphenylamine	LCS	LCS DUP	95.0	90.0	92.5	3.5	5
N-Nitrosodiphenylamine	LCS	LCS DUP	97.0	85.0	91	8.5	13
N-Nitrosodiphenylamine	LCS	LCS DUP	89.0	92.0	90.5	2.1	3
N-Nitrosodiphenylamine	LCS	LCS DUP	100.0	102.0	101	1.4	2
N-Nitrosodiphenylamine	LCS	LCS DUP	96.0	96.0	96	0.0	0
N-Nitrosodiphenylamine	LCS	LCS DUP	99.0	100.0	99.5	0.7	1
N-Nitrosodiphenylamine	LCS	LCS DUP	92.0	92.0	92	0.0	0
N-Nitrosodiphenylamine	LCS	LCS DUP	88.0	91.0	89.5	2.1	3
N-Nitrosodiphenylamine	LCS	LCS DUP	98.0	90.0	94	5.7	9
N-Nitrosodiphenylamine	LCS	LCS DUP	101.0	102.0	101.5	0.7	1
N-Nitrosodiphenylamine	LCS	LCS DUP	82.0	87.0	84.5	3.5	6
N-Nitrosodiphenylamine	LCS	LCS DUP	99.0	89.0	94	7.1	11
N-Nitrosodiphenylamine	LCS	LCS DUP	80.0	83.0	81.5	2.1	4
N-Nitrosodiphenylamine	LCS	LCS DUP	98.0	98.0	98	0.0	0
N-Nitrosodiphenylamine	LCS	LCS DUP	110.0	118.0	114	5.7	7

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-194

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
N-Nitrosodiphenylamine	LCS	LCS DUP	81.0	81.0	81	0.0	0
N-Nitrosodiphenylamine	LCS	LCS DUP	94.0	96.0	95	1.4	2
N-Nitrosodiphenylamine	LCS	LCS DUP	92.0	86.0	89	4.2	7
N-Nitrosodiphenylamine	LCS	LCS DUP	93.0	97.0	95	2.8	4
N-Nitrosodiphenylamine	LCS	LCS DUP	89.0	83.0	86	4.2	7
N-Nitrosodiphenylamine	LCS	LCS DUP	98.0	91.0	94.5	4.9	7
N-Nitrosodiphenylamine	LCS	LCS DUP	105.0	92.0	98.5	9.2	13
N-Nitrosodiphenylamine	LCS	LCS DUP	91.0	87.0	89	2.8	4
N-Nitrosodiphenylamine	LCS	LCS DUP	86.0	81.0	83.5	3.5	6
N-Nitrosodiphenylamine	LCS	LCS DUP	92.0	86.0	89	4.2	7
N-Nitrosodipropylamine	LCS	LCS DUP	111.0	110.0	110.5	0.7	1
N-Nitrosodipropylamine	LCS	LCS DUP	107.0	96.0	101.5	7.8	11
N-Nitrosodipropylamine	LCS	LCS DUP	101.0	104.0	102.5	2.1	3
N-Nitrosodipropylamine	LCS	LCS DUP	115.0	118.0	116.5	2.1	3
N-Nitrosodipropylamine	LCS	LCS DUP	107.0	102.0	104.5	3.5	5
N-Nitrosodipropylamine	LCS	LCS DUP	110.0	111.0	110.5	0.7	1
N-Nitrosodipropylamine	LCS	LCS DUP	105.0	101.0	103	2.8	4
N-Nitrosodipropylamine	LCS	LCS DUP	85.0	85.0	85	0.0	0
N-Nitrosodipropylamine	LCS	LCS DUP	87.0	88.0	87.5	0.7	1
N-Nitrosodipropylamine	LCS	LCS DUP	96.0	96.0	96	0.0	0
N-Nitrosodipropylamine	LCS	LCS DUP	87.0	88.0	87.5	0.7	1
N-Nitrosodipropylamine	LCS	LCS DUP	112.0	98.0	105	9.9	13
N-Nitrosodipropylamine	LCS	LCS DUP	91.0	95.0	93	2.8	4
N-Nitrosodipropylamine	LCS	LCS DUP	81.0	81.0	81	0.0	0
N-Nitrosodipropylamine	LCS	LCS DUP	124.0	121.0	122.5	2.1	2
N-Nitrosodipropylamine	LCS	LCS DUP	91.0	98.0	94.5	4.9	7
N-Nitrosodipropylamine	LCS	LCS DUP	99.0	99.0	99	0.0	0
N-Nitrosodipropylamine	LCS	LCS DUP	92.0	91.0	91.5	0.7	1
N-Nitrosodipropylamine	LCS	LCS DUP	84.0	87.0	85.5	2.1	4
N-Nitrosodipropylamine	LCS	LCS DUP	85.0	89.0	87	2.8	5
N-Nitrosodipropylamine	LCS	LCS DUP	112.0	103.0	107.5	6.4	8
N-Nitrosodipropylamine	LCS	LCS DUP	94.0	74.0	84	14.1	24

Compiled: 11 May 1994

A-3-195

NC = Not Calculable

ND = Not Detected

() = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATION RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
N-Nitrosodipropylamine	LCS	LCS DUP	82.0	77.0	79.5	3.5	6
N-Nitrosodipropylamine	LCS	LCS DUP	94.0	91.0	92.5	2.1	3
N-Nitrosodipropylamine	LCS	LCS DUP	120.0	111.0	115.5	6.4	8
Naphthalene	LCS	LCS DUP	90.0	87.0	88.5	2.1	3
Naphthalene	LCS	LCS DUP	92.0	81.0	86.5	7.8	13
Naphthalene	LCS	LCS DUP	88.0	93.0	90.5	3.5	6
Naphthalene	LCS	LCS DUP	95.0	97.0	96	1.4	2
Naphthalene	LCS	LCS DUP	89.0	84.0	86.5	3.5	6
Naphthalene	LCS	LCS DUP	94.0	96.0	95	1.4	2
Naphthalene	LCS	LCS DUP	100.0	100.0	100	0.0	0
Naphthalene	LCS	LCS DUP	89.0	91.0	90	1.4	2
Naphthalene	LCS	LCS DUP	77.0	92.0	84.5	10.6	18
Naphthalene	LCS	LCS DUP	102.0	101.0	101.5	0.7	1
Naphthalene	LCS	LCS DUP	93.0	96.0	94.5	2.1	3
Naphthalene	LCS	LCS DUP	101.0	91.0	96	7.1	10
Naphthalene	LCS	LCS DUP	96.0	103.0	99.5	4.9	7
Naphthalene	LCS	LCS DUP	100.0	102.0	101	1.4	2
Naphthalene	LCS	LCS DUP	121.0	123.0	122	1.4	2
Naphthalene	LCS	LCS DUP	104.0	103.0	103.5	0.7	1
Naphthalene	LCS	LCS DUP	99.0	101.0	100	1.4	2
Naphthalene	LCS	LCS DUP	98.0	98.0	98	0.0	0
Naphthalene	LCS	LCS DUP	97.0	98.0	97.5	0.7	1
Naphthalene	LCS	LCS DUP	89.0	91.0	90	1.4	2
Naphthalene	LCS	LCS DUP	104.0	101.0	102.5	2.1	3
Naphthalene	LCS	LCS DUP	95.0	87.0	91	5.7	9
Naphthalene	LCS	LCS DUP	61.0	56.0	58.5	3.5	9
Naphthalene	LCS	LCS DUP	96.0	92.0	94	2.8	4
Naphthalene	LCS	LCS DUP	100.0	94.0	97	4.2	6
Nitrobenzene	LCS	LCS DUP	102.0	100.0	101	1.4	2
Nitrobenzene	LCS	LCS DUP	100.0	88.0	94	8.5	13
Nitrobenzene	LCS	LCS DUP	98.0	103.0	100.5	3.5	5
Nitrobenzene	LCS	LCS DUP	105.0	106.0	105.5	0.7	1

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-196

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
Nitrobenzene	LCS	LCS DUP	95.0	91.0	93	2.8	4
Nitrobenzene	LCS	LCS DUP	104.0	106.0	105	1.4	2
Nitrobenzene	LCS	LCS DUP	94.0	96.0	95	1.4	2
Nitrobenzene	LCS	LCS DUP	90.0	93.0	91.5	2.1	3
Nitrobenzene	LCS	LCS DUP	78.0	94.0	86	11.3	19
Nitrobenzene	LCS	LCS DUP	102.0	100.0	101	1.4	2
Nitrobenzene	LCS	LCS DUP	99.0	102.0	100.5	2.1	3
Nitrobenzene	LCS	LCS DUP	94.0	87.0	90.5	4.9	8
Nitrobenzene	LCS	LCS DUP	84.0	88.0	86	2.8	5
Nitrobenzene	LCS	LCS DUP	90.0	93.0	91.5	2.1	3
Nitrobenzene	LCS	LCS DUP	111.0	112.0	111.5	0.7	1
Nitrobenzene	LCS	LCS DUP	93.0	98.0	95.5	3.5	5
Nitrobenzene	LCS	LCS DUP	91.0	93.0	92	1.4	2
Nitrobenzene	LCS	LCS DUP	90.0	88.0	89	1.4	2
Nitrobenzene	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Nitrobenzene	LCS	LCS DUP	71.0	66.0	68.5	3.5	7
Nitrobenzene	LCS	LCS DUP	97.0	93.0	95	2.8	4
Nitrobenzene	LCS	LCS DUP	138.0	105.0	121.5	23.3	27
Nitrobenzene	LCS	LCS DUP	57.0	56.0	56.5	0.7	2
Nitrobenzene	LCS	LCS DUP	97.0	94.0	95.5	2.1	3
Nitrobenzene	LCS	LCS DUP	152.0	142.0	147	7.1	7
Pentachloropheno	LCS	LCS DUP	79.0	80.0	79.5	0.7	1
Pentachloropheno	LCS	LCS DUP	86.0	74.0	80	8.5	15
Pentachloropheno	LCS	LCS DUP	85.0	88.0	86.5	2.1	3
Pentachloropheno	LCS	LCS DUP	90.0	90.0	90	0.0	0
Pentachloropheno	LCS	LCS DUP	90.0	87.0	88.5	2.1	3
Pentachloropheno	LCS	LCS DUP	96.0	98.0	97	1.4	2
Pentachloropheno	LCS	LCS DUP	85.0	89.0	87	2.8	5
Pentachloropheno	LCS	LCS DUP	76.0	78.0	77	1.4	3
Pentachloropheno	LCS	LCS DUP	73.0	71.0	72	1.4	3
Pentachloropheno	LCS	LCS DUP	76.0	73.0	74.5	2.1	4
Pentachloropheno	LCS	LCS DUP	65.0	68.0	66.5	2.1	5

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-197

TABLE A-3

DETAILED LISTING OF DUPLICATION RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
PentachlorophenoI	LCS	LCS DUP	81.0	77.0	79	2.8	5
PentachlorophenoI	LCS	LCS DUP	68.0	73.0	70.5	3.5	7
PentachlorophenoI	LCS	LCS DUP	67.0	72.0	69.5	3.5	7
PentachlorophenoI	LCS	LCS DUP	62.0	72.0	67	7.1	15
PentachlorophenoI	LCS	LCS DUP	70.0	72.0	71	1.4	3
PentachlorophenoI	LCS	LCS DUP	73.0	72.0	72.5	0.7	1
PentachlorophenoI	LCS	LCS DUP	63.0	68.0	65.5	3.5	8
PentachlorophenoI	LCS	LCS DUP	72.0	77.0	74.5	3.5	7
PentachlorophenoI	LCS	LCS DUP	72.0	72.0	72	0.0	0
PentachlorophenoI	LCS	LCS DUP	75.0	74.0	74.5	0.7	1
PentachlorophenoI	LCS	LCS DUP	72.0	69.0	70.5	2.1	4
PentachlorophenoI	LCS	LCS DUP	77.0	75.0	76	1.4	3
PentachlorophenoI	LCS	LCS DUP	85.0	81.0	83	2.8	5
PentachlorophenoI	LCS	LCS DUP	88.0	84.0	86	2.8	5
Phenanthrene	LCS	LCS DUP	88.0	85.0	86.5	2.1	3
Phenanthrene	LCS	LCS DUP	86.0	75.0	80.5	7.8	14
Phenanthrene	LCS	LCS DUP	84.0	86.0	85	1.4	2
Phenanthrene	LCS	LCS DUP	89.0	89.0	89	0.0	0
Phenanthrene	LCS	LCS DUP	86.0	85.0	85.5	0.7	1
Phenanthrene	LCS	LCS DUP	88.0	88.0	88	0.0	0
Phenanthrene	LCS	LCS DUP	86.0	88.0	87	1.4	2
Phenanthrene	LCS	LCS DUP	88.0	90.0	89	1.4	2
Phenanthrene	LCS	LCS DUP	94.0	89.0	91.5	3.5	5
Phenanthrene	LCS	LCS DUP	97.0	97.0	97	0.0	0
Phenanthrene	LCS	LCS DUP	90.0	96.0	93	4.2	6
Phenanthrene	LCS	LCS DUP	91.0	86.0	88.5	3.5	6
Phenanthrene	LCS	LCS DUP	76.0	100.0	88	17.0	27
Phenanthrene	LCS	LCS DUP	97.0	99.0	98	1.4	2
Phenanthrene	LCS	LCS DUP	103.0	106.0	104.5	2.1	3
Phenanthrene	LCS	LCS DUP	88.0	90.0	89	1.4	2
Phenanthrene	LCS	LCS DUP	81.0	86.0	83.5	3.5	6
Phenanthrene	LCS	LCS DUP	84.0	85.0	84.5	0.7	1

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-198

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Phenanthrene	LCS	LCS DUP	93.0	99.0	96	4.2	6
Phenanthrene	LCS	LCS DUP	86.0	90.0	88	2.8	5
Phenanthrene	LCS	LCS DUP	91.0	86.0	88.5	3.5	6
Phenanthrene	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
Phenanthrene	LCS	LCS DUP	80.0	82.0	81	1.4	2
Phenanthrene	LCS	LCS DUP	81.0	78.0	79.5	2.1	4
Phenanthrene	LCS	LCS DUP	94.0	89.0	91.5	3.5	5
Phenanthrene	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Phenanthrene	LCS	LCS DUP	92.0	82.0	87	7.1	11
Phenanthrene	LCS	LCS DUP	91.0	96.0	93.5	3.5	5
Phenanthrene	LCS	LCS DUP	99.0	103.0	101	2.8	4
Phenanthrene	LCS	LCS DUP	91.0	86.0	88.5	3.5	6
Phenanthrene	LCS	LCS DUP	106.0	107.0	106.5	0.7	1
Phenanthrene	LCS	LCS DUP	88.0	88.0	88	0.0	0
Phenanthrene	LCS	LCS DUP	82.0	84.0	83	1.4	2
Phenanthrene	LCS	LCS DUP	67.0	81.0	74	9.9	19
Phenanthrene	LCS	LCS DUP	88.0	87.0	87.5	0.7	1
Phenanthrene	LCS	LCS DUP	89.0	90.0	89.5	0.7	1
Phenanthrene	LCS	LCS DUP	99.0	89.0	94	7.1	11
Phenanthrene	LCS	LCS DUP	92.0	88.0	90	2.8	4
Phenanthrene	LCS	LCS DUP	69.0	73.0	71	2.8	6
Phenanthrene	LCS	LCS DUP	95.0	104.0	99.5	6.4	9
Phenanthrene	LCS	LCS DUP	99.0	108.0	103.5	6.4	9
Phenanthrene	LCS	LCS DUP	100.0	100.0	100	0.0	0
Phenanthrene	LCS	LCS DUP	90.0	94.0	92	2.8	4
Phenanthrene	LCS	LCS DUP	87.0	87.0	87	0.0	0
Phenanthrene	LCS	LCS DUP	79.0	81.0	80	1.4	3
Phenanthrene	LCS	LCS DUP	99.0	96.0	97.5	2.1	3
Phenanthrene	LCS	LCS DUP	87.0	72.0	79.5	10.6	19
Phenanthrene	LCS	LCS DUP	53.0	47.0	50	4.2	12
Phenanthrene	LCS	LCS DUP	94.0	86.0	90	5.7	9
Phenanthrene	LCS	LCS DUP	104.0	89.0	96.5	10.6	16

Method = SW8270, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

A-3-199

NC = Not Calculable

ND = Not Detected

() = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATION RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Duplicate Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Pyrene	LCS	LCS DUP	91.0	90.0	90.5	0.7	1
Pyrene	LCS	LCS DUP	92.0	81.0	86.5	7.8	13
Pyrene	LCS	LCS DUP	85.0	89.0	87	2.8	5
Pyrene	LCS	LCS DUP	92.0	94.0	93	1.4	2
Pyrene	LCS	LCS DUP	89.0	89.0	89	0.0	0
Pyrene	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Pyrene	LCS	LCS DUP	106.0	88.0	97	12.7	19
Pyrene	LCS	LCS DUP	95.0	96.0	95.5	0.7	1
Pyrene	LCS	LCS DUP	96.0	91.0	93.5	3.5	5
Pyrene	LCS	LCS DUP	113.0	113.0	113	0.0	0
Pyrene	LCS	LCS DUP	99.0	100.0	99.5	0.7	1
Pyrene	LCS	LCS DUP	92.0	81.0	86.5	7.8	13
Pyrene	LCS	LCS DUP	87.0	109.0	98	15.6	22
Pyrene	LCS	LCS DUP	101.0	103.0	102	1.4	2
Pyrene	LCS	LCS DUP	109.0	110.0	109.5	0.7	1
Pyrene	LCS	LCS DUP	96.0	94.0	95	1.4	2
Pyrene	LCS	LCS DUP	90.0	92.0	91	1.4	2
Pyrene	LCS	LCS DUP	90.0	83.0	86.5	4.9	8
Pyrene	LCS	LCS DUP	96.0	101.0	98.5	3.5	5
Pyrene	LCS	LCS DUP	82.0	88.0	85	4.2	7
Pyrene	LCS	LCS DUP	91.0	88.0	89.5	2.1	3
Pyrene	LCS	LCS DUP	103.0	101.0	102	1.4	2
Pyrene	LCS	LCS DUP	87.0	91.0	89	2.8	4
Pyrene	LCS	LCS DUP	86.0	83.0	84.5	2.1	4
Pyrene	LCS	LCS DUP	99.0	94.0	96.5	3.5	5
bis(2-Chloroethoxy)methane	LCS	LCS DUP	104.0	99.0	101.5	3.5	5
bis(2-Chloroethoxy)methane	LCS	LCS DUP	103.0	91.0	97	8.5	12
bis(2-Chloroethoxy)methane	LCS	LCS DUP	99.0	102.0	100.5	2.1	3
bis(2-Chloroethoxy)methane	LCS	LCS DUP	108.0	109.0	108.5	0.7	1
bis(2-Chloroethoxy)methane	LCS	LCS DUP	101.0	97.0	99	2.8	4
bis(2-Chloroethoxy)methane	LCS	LCS DUP	105.0	106.0	105.5	0.7	1
bis(2-Chloroethoxy)methane	LCS	LCS DUP	93.0	95.0	94	1.4	2

Method = SW8270, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-200



TABLE A-3 DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
bis(2-Chloroethoxy)methane	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
bis(2-Chloroethoxy)methane	LCS	LCS DUP	91.0	97.0	94	4.2	6
bis(2-Chloroethoxy)methane	LCS	LCS DUP	101.0	102.0	101.5	0.7	1
bis(2-Chloroethoxy)methane	LCS	LCS DUP	100.0	102.0	101	1.4	2
bis(2-Chloroethoxy)methane	LCS	LCS DUP	95.0	87.0	91	5.7	9
bis(2-Chloroethoxy)methane	LCS	LCS DUP	83.0	87.0	85	2.8	5
bis(2-Chloroethoxy)methane	LCS	LCS DUP	94.0	96.0	95	1.4	2
bis(2-Chloroethoxy)methane	LCS	LCS DUP	112.0	115.0	113.5	2.1	3
bis(2-Chloroethoxy)methane	LCS	LCS DUP	95.0	97.0	96	1.4	2
bis(2-Chloroethoxy)methane	LCS	LCS DUP	91.0	94.0	92.5	2.1	3
bis(2-Chloroethoxy)methane	LCS	LCS DUP	90.0	88.0	89	1.4	2
bis(2-Chloroethoxy)methane	LCS	LCS DUP	95.0	95.0	95	0.0	0
bis(2-Chloroethoxy)methane	LCS	LCS DUP	85.0	90.0	87.5	3.5	6
bis(2-Chloroethoxy)methane	LCS	LCS DUP	97.0	93.0	95	2.8	4
bis(2-Chloroethoxy)methane	LCS	LCS DUP	98.0	85.0	91.5	9.2	14
bis(2-Chloroethoxy)methane	LCS	LCS DUP	74.0	70.0	72	2.8	6
bis(2-Chloroethoxy)methane	LCS	LCS DUP	93.0	87.0	90	4.2	7
bis(2-Chloroethoxy)methane	LCS	LCS DUP	119.0	111.0	115	5.7	7
bis(2-Chloroethyl) ether	LCS	LCS DUP	105.0	103.0	104	1.4	2
bis(2-Chloroethyl) ether	LCS	LCS DUP	105.0	94.0	99.5	7.8	11
bis(2-Chloroethyl) ether	LCS	LCS DUP	102.0	107.0	104.5	3.5	5
bis(2-Chloroethyl) ether	LCS	LCS DUP	109.0	113.0	111	2.8	4
bis(2-Chloroethyl) ether	LCS	LCS DUP	96.0	91.0	93.5	3.5	5
bis(2-Chloroethyl) ether	LCS	LCS DUP	107.0	109.0	108	1.4	2
bis(2-Chloroethyl) ether	LCS	LCS DUP	100.0	98.0	99	1.4	2
bis(2-Chloroethyl) ether	LCS	LCS DUP	88.0	89.0	88.5	0.7	1
bis(2-Chloroethyl) ether	LCS	LCS DUP	62.0	91.0	76.5	20.5	38
bis(2-Chloroethyl) ether	LCS	LCS DUP	98.0	100.0	99	1.4	2
bis(2-Chloroethyl) ether	LCS	LCS DUP	99.0	100.0	99.5	0.7	1
bis(2-Chloroethyl) ether	LCS	LCS DUP	120.0	101.0	110.5	13.4	17
bis(2-Chloroethyl) ether	LCS	LCS DUP	96.0	98.0	97	1.4	2
bis(2-Chloroethyl) ether	LCS	LCS DUP	87.0	88.0	87.5	0.7	1

Method = SW8270, cont.  
Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-201

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
bis(2-Chloroethyl) ether	LCS	LCS DUP	130.0	134.0	132	2.8	3
bis(2-Chloroethyl) ether	LCS	LCS DUP	112.0	111.0	111.5	0.7	1
bis(2-Chloroethyl) ether	LCS	LCS DUP	98.0	110.0	104	8.5	12
bis(2-Chloroethyl) ether	LCS	LCS DUP	102.0	105.0	103.5	2.1	3
bis(2-Chloroethyl) ether	LCS	LCS DUP	90.0	91.0	90.5	0.7	1
bis(2-Chloroethyl) ether	LCS	LCS DUP	83.0	93.0	88	7.1	11
bis(2-Chloroethyl) ether	LCS	LCS DUP	99.0	94.0	96.5	3.5	5
bis(2-Chloroethyl) ether	LCS	LCS DUP	94.0	81.0	87.5	9.2	15
bis(2-Chloroethyl) ether	LCS	LCS DUP	39.0	32.0	35.5	4.9	20
bis(2-Chloroethyl) ether	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
bis(2-Chloroethyl) ether	LCS	LCS DUP	110.0	100.0	105	7.1	10
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	84.0	85.0	84.5	0.7	1
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	79.0	70.0	74.5	6.4	12
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	76.0	80.0	78	2.8	5
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	82.0	82.0	82	0.0	0
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	71.0	67.0	69	2.8	6
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	82.0	78.0	80	2.8	5
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	96.0	95.0	95.5	0.7	1
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	62.0	63.0	62.5	0.7	2
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	54.0	76.0	65	15.6	34
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	68.0	67.0	67.5	0.7	1
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	76.0	76.0	76	0.0	0
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	102.0	90.0	96	8.5	13
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	91.0	97.0	94	4.2	6
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	63.0	66.0	64.5	2.1	5
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	121.0	126.0	123.5	3.5	4
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	107.0	114.0	110.5	4.9	6
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	99.0	101.0	100	1.4	2
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	89.0	92.0	90.5	2.1	3
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	69.0	72.0	70.5	2.1	4
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	64.0	73.0	68.5	6.4	13
bis(2-Chloroisopropyl) ether	LCS	LCS DUP	145.0	97.0	121	33.9	40

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-202

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
bis(2-Chloroisopropyl)ether	LCS	LCS DUP	76.0	58.0	67	12.7	27
bis(2-Chloroisopropyl)ether	LCS	LCS DUP	37.0	25.0 (Q)	31	8.5	39
bis(2-Chloroisopropyl)ether	LCS	LCS DUP	62.0	65.0	63.5	2.1	5
bis(2-Chloroisopropyl)ether	LCS	LCS DUP	131.0	166.0	148.5	24.7	24
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	91.0	90.0	90.5	0.7	1
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	93.0	79.0	86	9.9	16
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	85.0	90.0	87.5	3.5	6
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	91.0	93.0	92	1.4	2
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	86.0	84.0	85	1.4	2
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	89.0	90.0	89.5	0.7	1
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	113.0	93.0	103	14.1	19
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	92.0	93.0	92.5	0.7	1
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	104.0	96.0	100	5.7	8
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	117.0	118.0	117.5	0.7	1
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	107.0	110.0	108.5	2.1	3
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	96.0	90.0	93	4.2	6
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	96.0	100.0	98	2.8	4
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	103.0	103.0	103	0.0	0
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	115.0	116.0	115.5	0.7	1
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	101.0	96.0	98.5	3.5	5
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	95.0	94.0	94.5	0.7	1
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	95.0	86.0	90.5	6.4	10
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	103.0	108.0	105.5	3.5	5
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	81.0	88.0	84.5	4.9	8
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	88.0	82.0	85	4.2	7
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	113.0	106.0	109.5	4.9	6
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	101.0	106.0	103.5	3.5	5
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	92.0	85.0	88.5	4.9	8
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	109.0	103.0	106	4.2	6
bis(2-Ethylhexyl)phthalate	LCS	LCS DUP	110.0	102.0	106	5.7	8
p-Chloroaniline	LCS	LCS DUP	106.0	97.0	101.5	6.4	9
p-Chloroaniline	LCS	LCS DUP	100.0	103.0	101.5	2.1	3

Compiled: 11 May 1994

A-3-203

NC = Not Calculable

ND = Not Detected

() = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATION RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Laboratory Control, cont.							
p-Chloroaniline	LCS	LCS DUP	116.0	119.0	117.5	2.1	3
p-Chloroaniline	LCS	LCS DUP	107.0	103.0	105	2.8	4
p-Chloroaniline	LCS	LCS DUP	114.0	112.0	113	1.4	2
p-Chloroaniline	LCS	LCS DUP	116.0	109.0	112.5	4.9	6
p-Chloroaniline	LCS	LCS DUP	107.0	105.0	106	1.4	2
p-Chloroaniline	LCS	LCS DUP	103.0	108.0	105.5	3.5	5
p-Chloroaniline	LCS	LCS DUP	124.0	80.0	102	31.1	43
p-Chloroaniline	LCS	LCS DUP	103.0	106.0	104.5	2.1	3
p-Chloroaniline	LCS	LCS DUP	116.0	106.0	111	7.1	9
p-Chloroaniline	LCS	LCS DUP	94.0	103.0	98.5	6.4	9
p-Chloroaniline	LCS	LCS DUP	115.0	115.0	115	0.0	0
p-Chloroaniline	LCS	LCS DUP	137.0	140.0	138.5	2.1	2
p-Chloroaniline	LCS	LCS DUP	105.0	102.0	103.5	2.1	3
p-Chloroaniline	LCS	LCS DUP	116.0	122.0	119	4.2	5
p-Chloroaniline	LCS	LCS DUP	119.0	119.0	119	0.0	0
p-Chloroaniline	LCS	LCS DUP	116.0	120.0	118	2.8	3
p-Chloroaniline	LCS	LCS DUP	107.0	114.0	110.5	4.9	6
p-Chloroaniline	LCS	LCS DUP	121.0	116.0	118.5	3.5	4
p-Chloroaniline	LCS	LCS DUP	122.0	108.0	115	9.9	12
p-Chloroaniline	LCS	LCS DUP	93.0	92.0	92.5	0.7	1
p-Chloroaniline	LCS	LCS DUP	116.0	110.0	113	4.2	5
p-Chloroaniline	LCS	LCS DUP	130.0	121.0	125.5	6.4	7
Type = Matrix Spike							
1,2,4-Trichlorobenzene	04-DS-01 MS	04-DS-01 MSD	88.0	92.0	90	2.8	4
1,2,4-Trichlorobenzene	05-DS-01 MS	05-DS-01 MSD	88.0	90.0	89	1.4	2
1,2,4-Trichlorobenzene	05-MW-04-02 MS	05-MW-04-02 MSD	88.0	87.0	87.5	0.7	1
1,2,4-Trichlorobenzene	05-SS-06-01 MS	05-SS-06-01 MSD	82.0	87.0	84.5	3.5	6
1,2,4-Trichlorobenzene	06-DS-01 MS	06-DS-01 MSD	83.0	83.0	83	0.0	0
1,2,4-Trichlorobenzene	06-DS-02 MS	06-DS-02 MSD	77.0	74.0	75.5	2.1	4
1,2,4-Trichlorobenzene	07-DS-03 MS	07-DS-03 MSD	102.0	101.0	101.5	0.7	1
1,2,4-Trichlorobenzene	07-MW-03-02 MS	07-MW-03-02 MSD	85.0	84.0	84.5	0.7	1

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-204

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.						
Type = Matrix Spike, cont.						
1,2,4-Trichlorobenzene	07-SS-01-01 MS	07-SS-01-01 MSD	88.0	84.5	4.9	8
1,2,4-Trichlorobenzene	09-MW-04-02 MS	09-MW-04-02 MSD	70.0	72.5	3.5	7
1,2,4-Trichlorobenzene	09-MW-06-02 MS	09-MW-06-02 MSD	63.0	65	2.8	6
1,2,4-Trichlorobenzene	10-DS-01 MS	10-DS-01 MSD	85.0	84.5	0.7	1
1,2,4-Trichlorobenzene	10-DS-02 MS	10-DS-02 MSD	93.0	92	1.4	2
1,2,4-Trichlorobenzene	11-SS-01-01 MS	11-SS-01-01 MSD	90.0	86	5.7	9
1,4-Dichlorobenzene	04-DS-01 MS	04-DS-01 MSD	79.0	81	2.8	5
1,4-Dichlorobenzene	05-DS-01 MS	05-DS-01 MSD	94.0	89	7.1	11
1,4-Dichlorobenzene	05-MW-04-02 MS	05-MW-04-02 MSD	80.0	81.5	2.1	4
1,4-Dichlorobenzene	05-SS-06-01 MS	05-SS-06-01 MSD	81.0	83.5	3.5	6
1,4-Dichlorobenzene	06-DS-01 MS	06-DS-01 MSD	81.0	81	0.0	0
1,4-Dichlorobenzene	06-DS-02 MS	06-DS-02 MSD	71.0	71.5	0.7	1
1,4-Dichlorobenzene	07-DS-03 MS	07-DS-03 MSD	91.0	93	2.8	4
1,4-Dichlorobenzene	07-MW-03-02 MS	07-MW-03-02 MSD	90.0	89	1.4	2
1,4-Dichlorobenzene	07-SS-01-01 MS	07-SS-01-01 MSD	84.0	80.5	4.9	9
1,4-Dichlorobenzene	09-MW-04-02 MS	09-MW-04-02 MSD	63.0	64.5	2.1	5
1,4-Dichlorobenzene	09-MW-06-02 MS	09-MW-06-02 MSD	42.0	46.5	6.4	19
1,4-Dichlorobenzene	10-DS-01 MS	10-DS-01 MSD	84.0	82.5	2.1	4
1,4-Dichlorobenzene	10-DS-02 MS	10-DS-02 MSD	89.0	88.5	0.7	1
1,4-Dichlorobenzene	11-SS-01-01 MS	11-SS-01-01 MSD	91.0	88.5	3.5	6
2,4-Dinitrotoluene	04-DS-01 MS	04-DS-01 MSD	77.0	79	2.8	5
2,4-Dinitrotoluene	05-DS-01 MS	05-DS-01 MSD	86.0	85.5	0.7	1
2,4-Dinitrotoluene	05-MW-04-02 MS	05-MW-04-02 MSD	93.0	93.5	0.7	1
2,4-Dinitrotoluene	05-SS-06-01 MS	05-SS-06-01 MSD	94.0	98.5	6.4	9
2,4-Dinitrotoluene	06-DS-01 MS	06-DS-01 MSD	97.0	95	2.8	4
2,4-Dinitrotoluene	06-DS-02 MS	06-DS-02 MSD	100.0	94.5	7.8	12
2,4-Dinitrotoluene	07-DS-03 MS	07-DS-03 MSD	87.0	89.5	3.5	6
2,4-Dinitrotoluene	07-MW-03-02 MS	07-MW-03-02 MSD	83.0	82	1.4	2
2,4-Dinitrotoluene	07-SS-01-01 MS	07-SS-01-01 MSD	82.0	80.5	2.1	4
2,4-Dinitrotoluene	09-MW-04-02 MS	09-MW-04-02 MSD	89.0	93	5.7	9
2,4-Dinitrotoluene	09-MW-06-02 MS	09-MW-06-02 MSD	80.0	75.5	6.4	12
2,4-Dinitrotoluene	10-DS-01 MS	10-DS-01 MSD	96.0	98.5	3.5	5

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-205

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Matrix Spike, cont.							
2,4-Dinitrotoluene	10-DS-02 MS	10-DS-02 MSD	87.0	90.0	88.5	2.1	3
2,4-Dinitrotoluene	11-SS-01-01 MS	11-SS-01-01 MSD	85.0	78.0	81.5	4.9	9
2-Chlorophenol	04-DS-01 MS	04-DS-01 MSD	79.0	81.0	80	1.4	3
2-Chlorophenol	05-DS-01 MS	05-DS-01 MSD	95.0	92.0	93.5	2.1	3
2-Chlorophenol	05-MW-04-02 MS	05-MW-04-02 MSD	81.0	83.0	82	1.4	2
2-Chlorophenol	05-SS-06-01 MS	05-SS-06-01 MSD	83.0	87.0	85	2.8	5
2-Chlorophenol	06-DS-01 MS	06-DS-01 MSD	84.0	84.0	84	0.0	0
2-Chlorophenol	06-DS-02 MS	06-DS-02 MSD	75.0	75.0	75	0.0	0
2-Chlorophenol	07-DS-03 MS	07-DS-03 MSD	90.0	94.0	92	2.8	4
2-Chlorophenol	07-MW-03-02 MS	07-MW-03-02 MSD	96.0	94.0	95	1.4	2
2-Chlorophenol	07-SS-01-01 MS	07-SS-01-01 MSD	86.0	77.0	81.5	6.4	11
2-Chlorophenol	09-MW-04-02 MS	09-MW-04-02 MSD	79.0	82.0	80.5	2.1	4
2-Chlorophenol	09-MW-06-02 MS	09-MW-06-02 MSD	82.0	83.0	82.5	0.7	1
2-Chlorophenol	10-DS-01 MS	10-DS-01 MSD	87.0	85.0	86	1.4	2
2-Chlorophenol	10-DS-02 MS	10-DS-02 MSD	89.0	88.0	88.5	0.7	1
2-Chlorophenol	11-SS-01-01 MS	11-SS-01-01 MSD	92.0	87.0	89.5	3.5	6
4-Chloro-3-methylphenol	04-DS-01 MS	04-DS-01 MSD	84.0	86.0	85	1.4	2
4-Chloro-3-methylphenol	05-DS-01 MS	05-DS-01 MSD	95.0	98.0	96.5	2.1	3
4-Chloro-3-methylphenol	05-MW-04-02 MS	05-MW-04-02 MSD	87.0	89.0	88	1.4	2
4-Chloro-3-methylphenol	05-SS-06-01 MS	05-SS-06-01 MSD	79.0	82.0	80.5	2.1	4
4-Chloro-3-methylphenol	06-DS-01 MS	06-DS-01 MSD	86.0	84.0	85	1.4	2
4-Chloro-3-methylphenol	06-DS-02 MS	06-DS-02 MSD	81.0	76.0	78.5	3.5	6
4-Chloro-3-methylphenol	07-DS-03 MS	07-DS-03 MSD	94.0	87.0	90.5	4.9	8
4-Chloro-3-methylphenol	07-MW-03-02 MS	07-MW-03-02 MSD	91.0	90.0	90.5	0.7	1
4-Chloro-3-methylphenol	07-SS-01-01 MS	07-SS-01-01 MSD	85.0	79.0	82	4.2	7
4-Chloro-3-methylphenol	09-MW-04-02 MS	09-MW-04-02 MSD	85.0	87.0	86	1.4	2
4-Chloro-3-methylphenol	09-MW-06-02 MS	09-MW-06-02 MSD	86.0	83.0	84.5	2.1	4
4-Chloro-3-methylphenol	10-DS-01 MS	10-DS-01 MSD	87.0	86.0	86.5	0.7	1
4-Chloro-3-methylphenol	10-DS-02 MS	10-DS-02 MSD	94.0	97.0	95.5	2.1	3
4-Chloro-3-methylphenol	11-SS-01-01 MS	11-SS-01-01 MSD	95.0	86.0	90.5	6.4	10
4-Nitrophenol	04-DS-01 MS	04-DS-01 MSD	79.0	83.0	81	2.8	5
4-Nitrophenol	05-DS-01 MS	05-DS-01 MSD	94.0	93.0	93.5	0.7	1

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-206

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
4-Nitrophenol	05-MW-04-02 MS	05-MW-04-02 MSD	87.0	94.0	90.5	4.9	8
4-Nitrophenol	05-SS-06-01 MS	05-SS-06-01 MSD	73.0	79.0	76	4.2	8
4-Nitrophenol	06-DS-01 MS	06-DS-01 MSD	75.0	74.0	74.5	0.7	1
4-Nitrophenol	06-DS-02 MS	06-DS-02 MSD	83.0	71.0	77	8.5	16
4-Nitrophenol	07-DS-03 MS	07-DS-03 MSD	88.0	100.0	94	8.5	13
4-Nitrophenol	07-MW-03-02 MS	07-MW-03-02 MSD	70.0	68.0	69	1.4	3
4-Nitrophenol	07-SS-01-01 MS	07-SS-01-01 MSD	75.0	121.0	98	32.5	47
4-Nitrophenol	09-MW-04-02 MS	09-MW-04-02 MSD	69.0	70.0	69.5	0.7	1
4-Nitrophenol	09-MW-06-02 MS	09-MW-06-02 MSD	67.0	62.0	64.5	3.5	8
4-Nitrophenol	10-DS-01 MS	10-DS-01 MSD	72.0	77.0	74.5	3.5	7
4-Nitrophenol	10-DS-02 MS	10-DS-02 MSD	97.0	94.0	95.5	2.1	3
4-Nitrophenol	11-SS-01-01 MS	11-SS-01-01 MSD	110.0	83.0	96.5	19.1	28
Acenaphthene	04-DS-01 MS	04-DS-01 MSD	85.0	89.0	87	2.8	5
Acenaphthene	05-DS-01 MS	05-DS-01 MSD	84.0	86.0	85	1.4	2
Acenaphthene	05-MW-04-02 MS	05-MW-04-02 MSD	94.0	96.0	95	1.4	2
Acenaphthene	05-SS-06-01 MS	05-SS-06-01 MSD	80.0	87.0	83.5	4.9	8
Acenaphthene	06-DS-01 MS	06-DS-01 MSD	83.0	83.0	83	0.0	0
Acenaphthene	06-DS-02 MS	06-DS-02 MSD	82.0	75.0	78.5	4.9	9
Acenaphthene	07-DS-03 MS	07-DS-03 MSD	100.0	103.0	101.5	2.1	3
Acenaphthene	07-MW-03-02 MS	07-MW-03-02 MSD	89.0	82.0	85.5	4.9	8
Acenaphthene	07-SS-01-01 MS	07-SS-01-01 MSD	88.0	85.0	86.5	2.1	3
Acenaphthene	09-MW-04-02 MS	09-MW-04-02 MSD	74.0	83.0	78.5	6.4	11
Acenaphthene	09-MW-06-02 MS	09-MW-06-02 MSD	85.0	78.0	81.5	4.9	9
Acenaphthene	10-DS-01 MS	10-DS-01 MSD	87.0	88.0	87.5	0.7	1
Acenaphthene	10-DS-02 MS	10-DS-02 MSD	94.0	92.0	93	1.4	2
Acenaphthene	11-SS-01-01 MS	11-SS-01-01 MSD	90.0	82.0	86	5.7	9
N-Nitrosodipropylamine	04-DS-01 MS	04-DS-01 MSD	60.0	60.0	60	0.0	0
N-Nitrosodipropylamine	05-DS-01 MS	05-DS-01 MSD	92.0	96.0	94	2.8	4
N-Nitrosodipropylamine	05-MW-04-02 MS	05-MW-04-02 MSD	74.0	82.0	78	5.7	10
N-Nitrosodipropylamine	05-SS-06-01 MS	05-SS-06-01 MSD	86.0	92.0	89	4.2	7
N-Nitrosodipropylamine	06-DS-01 MS	06-DS-01 MSD	98.0	96.0	97	1.4	2
N-Nitrosodipropylamine	06-DS-02 MS	06-DS-02 MSD	94.0	86.0	90	5.7	9

Method = SW8270, cont.

Type = Matrix Spike, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-207

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
N-Nitrosodipropylamine	07-DS-03 MS	07-DS-03 MSD	73.0	76.0	74.5	2.1	4
N-Nitrosodipropylamine	07-MW-03-02 MS	07-MW-03-02 MSD	88.0	85.0	86.5	2.1	3
N-Nitrosodipropylamine	07-SS-01-01 MS	07-SS-01-01 MSD	68.0	58.0	63	7.1	16
N-Nitrosodipropylamine	09-MW-04-02 MS	09-MW-04-02 MSD	92.0	103.0	97.5	7.8	11
N-Nitrosodipropylamine	09-MW-05-02 MS	09-MW-06-02 MSD	85.0	81.0	83	2.8	5
N-Nitrosodipropylamine	10-DS-01 MS	10-DS-01 MSD	106.0	102.0	104	2.8	4
N-Nitrosodipropylamine	10-DS-02 MS	10-DS-02 MSD	91.0	95.0	93	2.8	4
N-Nitrosodipropylamine	11-SS-01-01 MS	11-SS-01-01 MSD	91.0	81.0	86	7.1	12
Pentachloropheno	04-DS-01 MS	04-DS-01 MSD	68.0	70.0	69	1.4	3
Pentachloropheno	05-DS-01 MS	05-DS-01 MSD	82.0	84.0	83	1.4	2
Pentachloropheno	05-MW-04-02 MS	05-MW-04-02 MSD	64.0	66.0	65	1.4	3
Pentachloropheno	05-SS-06-01 MS	05-SS-06-01 MSD	80.0	85.0	82.5	3.5	6
Pentachloropheno	06-DS-01 MS	06-DS-01 MSD	79.0	78.0	78.5	0.7	1
Pentachloropheno	06-DS-02 MS	06-DS-02 MSD	80.0	72.0	76	5.7	11
Pentachloropheno	07-DS-03 MS	07-DS-03 MSD	77.0	78.0	77.5	0.7	1
Pentachloropheno	07-MW-03-02 MS	07-MW-03-02 MSD	71.0	70.0	70.5	0.7	1
Pentachloropheno	07-SS-01-01 MS	07-SS-01-01 MSD	67.0	64.0	65.5	2.1	5
Pentachloropheno	09-MW-04-02 MS	09-MW-04-02 MSD	72.0	78.0	75	4.2	8
Pentachloropheno	09-MW-06-02 MS	09-MW-06-02 MSD	68.0	63.0	65.5	3.5	8
Pentachloropheno	10-DS-01 MS	10-DS-01 MSD	78.0	80.0	79	1.4	3
Pentachloropheno	10-DS-02 MS	10-DS-02 MSD	77.0	80.0	78.5	2.1	4
Pentachloropheno	11-SS-01-01 MS	11-SS-01-01 MSD	76.0	69.0	72.5	4.9	10
Pheno	04-DS-01 MS	04-DS-01 MSD	69.0	73.0	71	2.8	6
Pheno	05-DS-01 MS	05-DS-01 MSD	87.0	89.0	88	1.4	2
Pheno	05-MW-04-02 MS	05-MW-04-02 MSD	76.0	78.0	77	1.4	3
Pheno	05-SS-06-01 MS	05-SS-06-01 MSD	89.0	95.0	92	4.2	7
Pheno	06-DS-01 MS	06-DS-01 MSD	93.0	92.0	92.5	0.7	1
Pheno	06-DS-02 MS	06-DS-02 MSD	82.0	81.0	81.5	0.7	1
Pheno	07-DS-03 MS	07-DS-03 MSD	84.0	85.0	84.5	0.7	1
Pheno	07-MW-03-02 MS	07-MW-03-02 MSD	99.0	92.0	95.5	4.9	7
Pheno	07-SS-01-01 MS	07-SS-01-01 MSD	78.0	73.0	75.5	3.5	7
Pheno	09-MW-04-02 MS	09-MW-04-02 MSD	89.0	92.0	90.5	2.1	3

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-208



TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8270, cont.							
Type = Matrix Spike, cont.							
Phenol	09-MW-06-02 MS	09-MW-06-02 MSD	88.0	83.0	85.5	3.5	6
Phenol	10-DS-01 MS	10-DS-01 MSD	95.0	93.0	94	1.4	2
Phenol	10-DS-02 MS	10-DS-02 MSD	83.0	86.0	84.5	2.1	4
Phenol	11-SS-01-01 MS	11-SS-01-01 MSD	89.0	81.0	85	5.7	9
Pyrene	04-DS-01 MS	04-DS-01 MSD	88.0	91.0	89.5	2.1	3
Pyrene	05-DS-01 MS	05-DS-01 MSD	78.0	74.0	76	2.8	5
Pyrene	05-MW-04-02 MS	05-MW-04-02 MSD	95.0	96.0	95.5	0.7	1
Pyrene	05-SS-06-01 MS	05-SS-06-01 MSD	78.0	84.0	81	4.2	7
Pyrene	06-DS-01 MS	06-DS-01 MSD	80.0	79.0	79.5	0.7	1
Pyrene	06-DS-02 MS	06-DS-02 MSD	81.0	73.0	77	5.7	10
Pyrene	07-DS-03 MS	07-DS-03 MSD	100.0	110.0	105	7.1	10
Pyrene	07-MW-03-02 MS	07-MW-03-02 MSD	80.0	79.0	79.5	0.7	1
Pyrene	07-SS-01-01 MS	07-SS-01-01 MSD	95.0	91.0	93	2.8	4
Pyrene	09-MW-04-02 MS	09-MW-04-02 MSD	73.0	82.0	77.5	6.4	12
Pyrene	09-MW-06-02 MS	09-MW-06-02 MSD	80.0	75.0	77.5	3.5	6
Pyrene	10-DS-01 MS	10-DS-01 MSD	88.0	88.0	88	0.0	0
Pyrene	10-DS-02 MS	10-DS-02 MSD	85.0	88.0	86.5	2.1	3
Pyrene	11-SS-01-01 MS	11-SS-01-01 MSD	82.0	75.0	78.5	4.9	9
Type = Surrogate - Laboratory Control							
2,4,6-Tribromophenol	LCS	LCS DUP	81.0	98.0	89.5	12.0	19
2-Fluorobiphenyl	LCS	LCS DUP	110.0	103.0	106.5	4.9	7
2-Fluorophenol	LCS	LCS DUP	75.0	52.0	63.5	16.3	36
Nitrobenzene-d5	LCS	LCS DUP	99.0	77.0	88	15.6	25
Phenol-d5	LCS	LCS DUP	93.0	76.0	84.5	12.0	20
Terphenyl-d14	LCS	LCS DUP	110.0	101.0	105.5	6.4	9
Method = SW8310							
Type = Field Duplicate							
Acenaphthene	01-SD-01-01	01-DS-01	16.0 (J)	83.0	49.5	47.4	135
Acenaphthene	01-SS-07-01	01-DS-02	ND	61.0 (D)	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-209

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Acenaphthene	01-SD-02-01	01-DS-03	ND	85.0	NC	NC	NC
Acenaphthene	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Acenaphthene	04-SS-01-01	04-DS-02	ND	ND	NC	NC	NC
Acenaphthene	07-MW-03-02	07-DS-01	ND	2700.0	NC	NC	NC
Acenaphthene	07-SS-01-01	07-DS-02	150000.0	ND	NC	NC	NC
Acenaphthene	07-SD-01-01	07-DS-03	ND	380.0 (J)	NC	NC	NC
Acenaphthene	10-MW-01-01	10-DS-01	18.0 (J)	ND	NC	NC	NC
Acenaphthene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	01-SD-01-01	01-DS-01	ND	110.0	NC	NC	NC
Acenaphthylene	01-SS-07-01	01-DS-02	310.0	85.0 (e)	197.5	159.1	114
Acenaphthylene	01-SD-02-01	01-DS-03	ND	110.0	NC	NC	NC
Acenaphthylene	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	04-SS-01-01	04-DS-02	ND	ND	NC	NC	NC
Acenaphthylene	07-MW-03-02	07-DS-01	1800.0 (J)	1900.0 (J)	1850	70.7	5
Acenaphthylene	07-SS-01-01	07-DS-02	570.0	500.0 (e)	535	49.5	13
Acenaphthylene	07-SD-01-01	07-DS-03	ND	1000.0	NC	NC	NC
Acenaphthylene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Acenaphthylene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Anthracene	01-SD-01-01	01-DS-01	ND	31.0	NC	NC	NC
Anthracene	01-SS-07-01	01-DS-02	1300.0	1600.0 (JD)	1450	212.1	21
Anthracene	01-SD-02-01	01-DS-03	ND	31.0	NC	NC	NC
Anthracene	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Anthracene	04-SS-01-01	04-DS-02	ND	ND	NC	NC	NC
Anthracene	07-MW-03-02	07-DS-01	460.0 (J)	440.0 (J)	450	14.1	4
Anthracene	07-SS-01-01	07-DS-02	350.0	ND	NC	NC	NC
Anthracene	07-SD-01-01	07-DS-03	ND	19.0 (J)	NC	NC	NC
Anthracene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Anthracene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Benzo(a)anthracene	01-SD-01-01	01-DS-01	2.2	3.5	2.85	0.9	46
Benzo(a)anthracene	01-SS-07-01	01-DS-02	18.0	30.0 (JD)	24	8.5	50
Benzo(a)anthracene	01-SD-02-01	01-DS-03	ND	1.5 (e)	NC	NC	NC
Benzo(a)anthracene	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-210

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Benzo(a)anthracene	04-SS-01-01	04-DS-02	1.6	0.63 (J)	1.115	0.7	87
Benzo(a)anthracene	07-MW-03-02	07-DS-01	ND	20.0	NC	NC	NC
Benzo(a)anthracene	07-SS-01-01	07-DS-02	1.5 (J)	ND	NC	NC	NC
Benzo(a)anthracene	07-SD-01-01	07-DS-03	11.0	16.0 (0)	13.5	3.5	37
Benzo(a)anthracene	10-MW-01-01	10-DS-01	5.4	18.0	11.7	8.9	108
Benzo(a)anthracene	10-SS-03-01	10-DS-02	16.0	15.0 (0)	15.5	0.7	6
Benzo(a)pyrene	01-SD-01-01	01-DS-01	2.7	3.6 (0)	3.15	0.6	29
Benzo(a)pyrene	01-SS-07-01	01-DS-02	19.0	20.0 (JD)	19.5	0.7	5
Benzo(a)pyrene	01-SD-02-01	01-DS-03	0.73 (J)	2.0 (0)	1.365	0.9	93
Benzo(a)pyrene	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Benzo(a)pyrene	04-SS-01-01	04-DS-02	6.9	1.8 (0)	4.35	3.6	117
Benzo(a)pyrene	07-MW-03-02	07-DS-01	ND	35.0	NC	NC	NC
Benzo(a)pyrene	07-SS-01-01	07-DS-02	2.0 (J)	1.4 (J)	1.7	0.4	35
Benzo(a)pyrene	07-SD-01-01	07-DS-03	5.1 (J)	8.6 (J)	6.85	2.5	51
Benzo(a)pyrene	10-MW-01-01	10-DS-01	7.6	7.3 (0)	7.45	0.2	4
Benzo(a)pyrene	10-SS-03-01	10-DS-02	40.0	37.0 (0)	38.5	2.1	8
Benzo(b)fluoranthene	01-SD-01-01	01-DS-01	5.5	6.6	6.05	0.8	18
Benzo(b)fluoranthene	01-SS-07-01	01-DS-02	25.0	16.0 (JD)	20.5	6.4	44
Benzo(b)fluoranthene	01-SD-02-01	01-DS-03	0.96	1.9 (0)	1.43	0.7	66
Benzo(b)fluoranthene	04-SD-02-01	04-DS-01	0.51 (J)	0.74 (J)	0.625	0.2	37
Benzo(b)fluoranthene	04-SS-01-01	04-DS-02	9.0	2.7 (0)	5.85	4.5	108
Benzo(b)fluoranthene	07-MW-03-02	07-DS-01	ND	27.0	NC	NC	NC
Benzo(b)fluoranthene	07-SS-01-01	07-DS-02	2.4 (J)	2.3 (J)	2.35	0.1	4
Benzo(b)fluoranthene	07-SD-01-01	07-DS-03	22.0	28.0 (0)	25	4.2	24
Benzo(b)fluoranthene	10-MW-01-01	10-DS-01	11.0	26.0	18.5	10.6	81
Benzo(b)fluoranthene	10-SS-03-01	10-DS-02	43.0	38.0	40.5	3.5	12
Benzo(g,h,i)perylene	01-SD-01-01	01-DS-01	2.3 (J)	2.2 (J)	2.25	0.1	4
Benzo(g,h,i)perylene	01-SS-07-01	01-DS-02	45.0	84.0 (JD)	64.5	27.6	60
Benzo(g,h,i)perylene	01-SD-02-01	01-DS-03	1.4 (J)	2.2 (J)	1.8	0.6	44
Benzo(g,h,i)perylene	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Benzo(g,h,i)perylene	04-SS-01-01	04-DS-02	3.4 (J)	2.3 (J)	2.85	0.8	39
Benzo(g,h,i)perylene	07-MW-03-02	07-DS-01	ND	120.0	NC	NC	NC

Method = SW8310, cont.

Type = Field Duplicate, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-211

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8310, cont.							
Type = Field Duplicate, cont.							
Benzo(g,h,i)perylene	07-SS-01-01	07-DS-02	24.0	ND	NC	NC	NC
Benzo(g,h,i)perylene	07-SD-01-01	07-DS-03	15.0 (J)	12.0 (J)	13.5	2.1	22
Benzo(g,h,i)perylene	10-MW-01-01	10-DS-01	29.0	40.0 (E)	34.5	7.8	32
Benzo(g,h,i)perylene	10-SS-03-01	10-DS-02	22.0 (J)	22.0 (J)	22	0.0	0
Benzo(k)fluoranthene	01-SD-01-01	01-DS-01	1.5	2.2 (E)	1.85	0.5	38
Benzo(k)fluoranthene	01-SS-07-01	01-DS-02	12.0	21.0 (JD)	16.5	6.4	55
Benzo(k)fluoranthene	01-SD-02-01	01-DS-03	0.29 (J)	0.81 (E)	0.55	0.4	95
Benzo(k)fluoranthene	04-SD-02-01	04-DS-01	ND	0.070 (J)	NC	NC	NC
Benzo(k)fluoranthene	04-SS-01-01	04-DS-02	3.1	0.78 (J)	1.94	1.6	120
Benzo(k)fluoranthene	07-MW-03-02	07-DS-01	ND	26.0	NC	NC	NC
Benzo(k)fluoranthene	07-SS-01-01	07-DS-02	1.5 (J)	0.34 (J)	0.92	0.8	126
Benzo(k)fluoranthene	07-SD-01-01	07-DS-03	7.2 (J)	9.8 (E)	8.5	1.8	31
Benzo(k)fluoranthene	10-MW-01-01	10-DS-01	4.2	5.3 (E)	4.75	0.8	23
Benzo(k)fluoranthene	10-SS-03-01	10-DS-02	16.0	14.0 (E)	15	1.4	13
Chrysene	01-SD-01-01	01-DS-01	8.8	12.0 (E)	10.4	2.3	31
Chrysene	01-SS-07-01	01-DS-02	33.0 (J)	5.1 (D)	19.05	19.7	146
Chrysene	01-SD-02-01	01-DS-03	2.9 (J)	3.0 (J)	2.95	0.1	3
Chrysene	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Chrysene	04-SS-01-01	04-DS-02	11.0	2.4 (J)	6.7	6.1	128
Chrysene	07-MW-03-02	07-DS-01	ND	230.0	NC	NC	NC
Chrysene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Chrysene	07-SD-01-01	07-DS-03	ND	68.0	NC	NC	NC
Chrysene	10-MW-01-01	10-DS-01	ND	29.0 (E)	NC	NC	NC
Chrysene	10-SS-03-01	10-DS-02	24.0 (J)	19.0 (J)	21.5	3.5	23
Dibenzo(a,h)anthracene	01-SD-01-01	01-DS-01	1.4 (J)	1.4 (E)	1.4	0.0	0
Dibenzo(a,h)anthracene	01-SS-07-01	01-DS-02	4.2 (J)	1.0 (D)	2.6	2.3	123
Dibenzo(a,h)anthracene	01-SD-02-01	01-DS-03	0.36 (J)	0.52 (J)	0.44	0.1	36
Dibenzo(a,h)anthracene	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Dibenzo(a,h)anthracene	04-SS-01-01	04-DS-02	3.3	0.81 (J)	2.055	1.8	121
Dibenzo(a,h)anthracene	07-MW-03-02	07-DS-01	ND	46.0	NC	NC	NC
Dibenzo(a,h)anthracene	07-SS-01-01	07-DS-02	1.6 (J)	ND	NC	NC	NC
Dibenzo(a,h)anthracene	07-SD-01-01	07-DS-03	ND	14.0	NC	NC	NC

Compiled: 11 May 1994

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

A-3-212

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8310, cont.							
Type = Field Duplicate, cont.							
Dibenzo(a,h)anthracene	10-MW-01-01	10-DS-01	1.6 (J)	4.2 (e)	2.9	1.8	90
Dibenzo(a,h)anthracene	10-SS-03-01	10-DS-02	5.9 (J)	5.1 (J)	5.5	0.6	15
Fluoranthene	01-SD-01-01	01-DS-01	8.3 (J)	14.0 (e)	11.15	4.0	51
Fluoranthene	01-SS-07-01	01-DS-02	ND	7.1 (D)	NC	NC	NC
Fluoranthene	01-SD-02-01	01-DS-03	ND	6.3 (J)	NC	NC	NC
Fluoranthene	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Fluoranthene	04-SS-01-01	04-DS-02	5.0 (J)	ND	NC	NC	NC
Fluoranthene	07-MW-03-02	07-DS-01	560.0	320.0	440	169.7	55
Fluoranthene	07-SS-01-01	07-DS-02	ND	ND	NC	NC	NC
Fluoranthene	07-SD-01-01	07-DS-03	100.0	140.0 (e)	120	28.3	33
Fluoranthene	10-MW-01-01	10-DS-01	15.0 (J)	95.0 (e)	55	56.6	145
Fluoranthene	10-SS-03-01	10-DS-02	40.0 (J)	44.0 (J)	42	2.8	10
Fluorene	01-SD-01-01	01-DS-01	ND	9.7	NC	NC	NC
Fluorene	01-SS-07-01	01-DS-02	670.0	890.0 (De)	780	155.6	28
Fluorene	01-SD-02-01	01-DS-03	ND	9.9	NC	NC	NC
Fluorene	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Fluorene	04-SS-01-01	04-DS-02	ND	ND	NC	NC	NC
Fluorene	07-MW-03-02	07-DS-01	540.0	600.0 (e)	570	42.4	11
Fluorene	07-SS-01-01	07-DS-02	3100.0	4000.0	3550	636.4	25
Fluorene	07-SD-01-01	07-DS-03	68.0 (J)	670.0	369	425.7	163
Fluorene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Fluorene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Indeno(1,2,3-cd)pyrene	01-SD-01-01	01-DS-01	17.0	12.0	14.5	3.5	34
Indeno(1,2,3-cd)pyrene	01-SS-07-01	01-DS-02	33.0	1.5 (D)	17.25	22.3	183
Indeno(1,2,3-cd)pyrene	01-SD-02-01	01-DS-03	1.7 (J)	3.6 (e)	2.65	1.3	72
Indeno(1,2,3-cd)pyrene	04-SD-02-01	04-DS-01	ND	1.1 (J)	NC	NC	NC
Indeno(1,2,3-cd)pyrene	04-SS-01-01	04-DS-02	9.2	2.5 (e)	5.85	4.7	115
Indeno(1,2,3-cd)pyrene	07-MW-03-02	07-DS-01	48.0 (J)	65.0	56.5	12.0	30
Indeno(1,2,3-cd)pyrene	07-SS-01-01	07-DS-02	6.9 (J)	6.0 (J)	6.45	0.6	14
Indeno(1,2,3-cd)pyrene	07-SD-01-01	07-DS-03	36.0	46.0 (e)	41	7.1	24
Indeno(1,2,3-cd)pyrene	10-MW-01-01	10-DS-01	11.0	21.0 (e)	16	7.1	63
Indeno(1,2,3-cd)pyrene	10-SS-03-01	10-DS-02	49.0	46.0 (e)	47.5	2.1	6

Compiled: 11 May 1994

A-3-213

NC = Not Calculable ND = Not Detected ( ) = Footnote Character

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8310, cont.							
Type = Field Duplicate, cont.							
Naphthalene	01-SD-01-01	01-DS-01	ND	83.0	NC	NC	NC
Naphthalene	01-SS-07-01	01-DS-02	4200.0	6200.0 (De)	5200	1414.2	38
Naphthalene	01-SD-02-01	01-DS-03	ND	85.0	NC	NC	NC
Naphthalene	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Naphthalene	04-SS-01-01	04-DS-02	ND	ND	NC	NC	NC
Naphthalene	07-MW-03-02	07-DS-01	27000.0	32000.0	29500	3535.5	17
Naphthalene	07-SS-01-01	07-DS-02	20000.0	17000.0	18500	2121.3	16
Naphthalene	07-SD-01-01	07-DS-03	ND	820.0	NC	NC	NC
Naphthalene	10-MW-01-01	10-DS-01	ND	ND	NC	NC	NC
Naphthalene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Phenanthrene	01-SD-01-01	01-DS-01	12.0 (J)	15.0 (J)	13.5	2.1	22
Phenanthrene	01-SS-07-01	01-DS-02	3600.0	4700.0 (De)	4150	777.8	27
Phenanthrene	01-SD-02-01	01-DS-03	ND	30.0	NC	NC	NC
Phenanthrene	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Phenanthrene	04-SS-01-01	04-DS-02	ND	ND	NC	NC	NC
Phenanthrene	07-MW-03-02	07-DS-01	2800.0	2800.0 (e)	2800	0.0	0
Phenanthrene	07-SS-01-01	07-DS-02	1400.0	1500.0	1450	70.7	7
Phenanthrene	07-SD-01-01	07-DS-03	310.0	1200.0 (e)	755	629.3	118
Phenanthrene	10-MW-01-01	10-DS-01	120.0	98.0 (e)	109	15.6	20
Phenanthrene	10-SS-03-01	10-DS-02	ND	ND	NC	NC	NC
Pyrene	01-SD-01-01	01-DS-01	7.8 (J)	13.0 (e)	10.4	3.7	50
Pyrene	01-SS-07-01	01-DS-02	240.0	290.0 (JD)	265	35.4	19
Pyrene	01-SD-02-01	01-DS-03	ND	7.6 (J)	NC	NC	NC
Pyrene	04-SD-02-01	04-DS-01	ND	ND	NC	NC	NC
Pyrene	04-SS-01-01	04-DS-02	5.2 (J)	ND	NC	NC	NC
Pyrene	07-MW-03-02	07-DS-01	690.0	490.0 (e)	590	141.4	34
Pyrene	07-SS-01-01	07-DS-02	98.0	95.0 (e)	96.5	2.1	3
Pyrene	07-SD-01-01	07-DS-03	94.0 (J)	120.0 (e)	107	18.4	24
Pyrene	10-MW-01-01	10-DS-01	9.8 (J)	27.0 (J)	18.4	12.2	93
Pyrene	10-SS-03-01	10-DS-02	41.0 (J)	43.0 (J)	42	1.4	5
Type = Laboratory Control							

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-214

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Acenaphthene	LCS	LCS DUP	71.0	68.0	69.5	2.1	4
Acenaphthene	LCS	LCS DUP	66.0	54.0	60	8.5	20
Acenaphthene	LCS	LCS DUP	96.0	89.0	92.5	4.9	8
Acenaphthene	LCS	LCS DUP	60.0	54.0	57	4.2	11
Acenaphthene	LCS	LCS DUP	44.0	63.0	53.5	13.4	36
Acenaphthene	LCS	LCS DUP	74.0	75.0	74.5	0.7	1
Acenaphthene	LCS	LCS DUP	69.0	29.0	49	28.3	82
Acenaphthene	LCS	LCS DUP	72.0	77.0	74.5	3.5	7
Acenaphthylene	LCS	LCS DUP	74.0	72.0	73	1.4	3
Acenaphthylene	LCS	LCS DUP	74.0	71.0	72.5	2.1	4
Acenaphthylene	LCS	LCS DUP	65.0	63.0	64	1.4	3
Acenaphthylene	LCS	LCS DUP	102.0	93.0	97.5	6.4	9
Acenaphthylene	LCS	LCS DUP	57.0	50.0	53.5	4.9	13
Acenaphthylene	LCS	LCS DUP	44.0	61.0	52.5	12.0	32
Acenaphthylene	LCS	LCS DUP	73.0	69.0	71	2.8	6
Acenaphthylene	LCS	LCS DUP	82.0	33.0	57.5	34.6	85
Acenaphthylene	LCS	LCS DUP	72.0	72.0	72	0.0	0
Acenaphthylene	LCS	LCS DUP	75.0	74.0	74.5	0.7	1
Anthracene	LCS	LCS DUP	58.0	53.0	55.5	3.5	9
Anthracene	LCS	LCS DUP	94.0	93.0	93.5	0.7	1
Anthracene	LCS	LCS DUP	55.0	46.0	50.5	6.4	18
Anthracene	LCS	LCS DUP	36.0	51.0	43.5	10.6	34
Anthracene	LCS	LCS DUP	61.0	58.0	59.5	2.1	5
Anthracene	LCS	LCS DUP	69.0	24.0	46.5	31.8	97
Anthracene	LCS	LCS DUP	58.0	57.0	57.5	0.7	2
Benzo(a)anthracene	LCS	LCS DUP	70.0	72.0	71	1.4	3
Benzo(a)anthracene	LCS	LCS DUP	69.0	67.0	68	1.4	3
Benzo(a)anthracene	LCS	LCS DUP	96.0	97.0	96.5	0.7	1
Benzo(a)anthracene	LCS	LCS DUP	68.0	53.0	60.5	10.6	25
Benzo(a)anthracene	LCS	LCS DUP	42.0	59.0	50.5	12.0	34
Benzo(a)anthracene	LCS	LCS DUP	59.0	56.0	57.5	2.1	5
Benzo(a)anthracene	LCS	LCS DUP	64.0	29.0	46.5	24.7	75

Method = SW8310, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-215

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Benzo(a)anthracene	LCS	LCS DUP	58.0	59.0	58.5	0.7	2
Benzo(a)pyrene	LCS	LCS DUP	62.0	62.0	62	0.0	0
Benzo(a)pyrene	LCS	LCS DUP	52.0	46.0	49	4.2	12
Benzo(a)pyrene	LCS	LCS DUP	83.0	82.0	82.5	0.7	1
Benzo(a)pyrene	LCS	LCS DUP	58.0	45.0	51.5	9.2	25
Benzo(a)pyrene	LCS	LCS DUP	28.0	39.0	33.5	7.8	33
Benzo(a)pyrene	LCS	LCS DUP	50.0	57.0	53.5	4.9	13
Benzo(a)pyrene	LCS	LCS DUP	65.0	26.0	45.5	27.6	86
Benzo(a)pyrene	LCS	LCS DUP	53.0	58.0	55.5	3.5	9
Benzo(b)fluoranthene	LCS	LCS DUP	75.0	74.0	74.5	0.7	1
Benzo(b)fluoranthene	LCS	LCS DUP	72.0	72.0	72	0.0	0
Benzo(b)fluoranthene	LCS	LCS DUP	103.0	103.0	103	0.0	0
Benzo(b)fluoranthene	LCS	LCS DUP	86.0	64.0	75	15.6	29
Benzo(b)fluoranthene	LCS	LCS DUP	50.0	81.0	65.5	21.9	47
Benzo(b)fluoranthene	LCS	LCS DUP	71.0	68.0	69.5	2.1	4
Benzo(b)fluoranthene	LCS	LCS DUP	79.0	34.0	56.5	31.8	80
Benzo(b)fluoranthene	LCS	LCS DUP	66.0	75.0	70.5	6.4	13
Benzo(g,h,i)perylene	LCS	LCS DUP	58.0	58.0	58	0.0	0
Benzo(g,h,i)perylene	LCS	LCS DUP	66.0	63.0	64.5	2.1	5
Benzo(g,h,i)perylene	LCS	LCS DUP	93.0	97.0	95	2.8	4
Benzo(g,h,i)perylene	LCS	LCS DUP	65.0	56.0	60.5	6.4	15
Benzo(g,h,i)perylene	LCS	LCS DUP	44.0	68.0	56	17.0	43
Benzo(g,h,i)perylene	LCS	LCS DUP	64.0	61.0	62.5	2.1	5
Benzo(g,h,i)perylene	LCS	LCS DUP	59.0	25.0	42	24.0	81
Benzo(g,h,i)perylene	LCS	LCS DUP	58.0	60.0	59	1.4	3
Benzo(k)fluoranthene	LCS	LCS DUP	72.0	71.0	71.5	0.7	1
Benzo(k)fluoranthene	LCS	LCS DUP	66.0	64.0	65	1.4	3
Benzo(k)fluoranthene	LCS	LCS DUP	91.0	92.0	91.5	0.7	1
Benzo(k)fluoranthene	LCS	LCS DUP	65.0	50.0	57.5	10.6	26
Benzo(k)fluoranthene	LCS	LCS DUP	43.0	64.0	53.5	14.8	39
Benzo(k)fluoranthene	LCS	LCS DUP	60.0	57.0	58.5	2.1	5
Benzo(k)fluoranthene	LCS	LCS DUP	66.0	24.0	45	29.7	93

Method = SW8310, cont.

Type = Laboratory Control, cont.

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-216



TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8310, cont.							
Type = Laboratory Control, cont.							
Benzo(k)fluoranthene	LCS	LCS DUP	60.0	58.0	59	1.4	3
Chrysene	LCS	LCS DUP	73.0	75.0	74	1.4	3
Chrysene	LCS	LCS DUP	72.0	71.0	71.5	0.7	1
Chrysene	LCS	LCS DUP	100.0	100.0	100	0.0	0
Chrysene	LCS	LCS DUP	81.0	51.0	66	21.2	45
Chrysene	LCS	LCS DUP	44.0	80.0	62	25.5	58
Chrysene	LCS	LCS DUP	73.0	74.0	73.5	0.7	1
Chrysene	LCS	LCS DUP	82.0	31.0	56.5	36.1	90
Chrysene	LCS	LCS DUP	75.0	78.0	76.5	2.1	4
Chrysene	LCS	LCS DUP	59.0	59.0	59	0.0	0
Dibenzo(a,h)anthracene	LCS	LCS DUP	64.0	61.0	62.5	2.1	5
Dibenzo(a,h)anthracene	LCS	LCS DUP	87.0	86.0	86.5	0.7	1
Dibenzo(a,h)anthracene	LCS	LCS DUP	64.0	50.0	57	9.9	25
Dibenzo(a,h)anthracene	LCS	LCS DUP	44.0	65.0	54.5	14.8	39
Dibenzo(a,h)anthracene	LCS	LCS DUP	60.0	56.0	58	2.8	7
Dibenzo(a,h)anthracene	LCS	LCS DUP	58.0	21.0	39.5	26.2	94
Dibenzo(a,h)anthracene	LCS	LCS DUP	64.0	57.0	60.5	4.9	12
Dibenzo(a,h)anthracene	LCS	LCS DUP	74.0	73.0	73.5	0.7	1
Fluoranthene	LCS	LCS DUP	68.0	63.0	65.5	3.5	8
Fluoranthene	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
Fluoranthene	LCS	LCS DUP	68.0	52.0	60	11.3	27
Fluoranthene	LCS	LCS DUP	37.0	60.0	48.5	16.3	47
Fluoranthene	LCS	LCS DUP	62.0	61.0	61.5	0.7	2
Fluoranthene	LCS	LCS DUP	65.0	29.0	47	25.5	77
Fluoranthene	LCS	LCS DUP	61.0	62.0	61.5	0.7	2
Fluorene	LCS	LCS DUP	73.0	70.0	71.5	2.1	4
Fluorene	LCS	LCS DUP	64.0	57.0	60.5	4.9	12
Fluorene	LCS	LCS DUP	107.0	99.0	103	5.7	8
Fluorene	LCS	LCS DUP	56.0	41.0	48.5	10.6	31
Fluorene	LCS	LCS DUP	39.0	57.0	48	12.7	38
Fluorene	LCS	LCS DUP	65.0	64.0	64.5	0.7	2
Fluorene	LCS	LCS DUP	71.0	25.0	48	32.5	96

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-217

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8310, cont.							
Type = Laboratory Control, cont.							
Fluorene	LCS	LCS DUP	64.0	66.0	65	1.4	3
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	97.0	95.0	96	1.4	2
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	96.0	95.0	95.5	0.7	1
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	81.0	80.0	80.5	0.7	1
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	125.0	124.0	124.5	0.7	1
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	91.0	68.0	79.5	16.3	29
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	48.0	34.0	41	9.9	34
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	68.0	65.0	66.5	2.1	5
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	74.0	26.0	50	33.9	96
Indeno(1,2,3-cd)pyrene	LCS	LCS DUP	67.0	68.0	67.5	0.7	1
Naphthalene	LCS	LCS DUP	78.0	74.0	76	2.8	5
Naphthalene	LCS	LCS DUP	76.0	44.0	60	22.6	53
Naphthalene	LCS	LCS DUP	112.0	99.0	105.5	9.2	12
Naphthalene	LCS	LCS DUP	70.0	68.0	69	1.4	3
Naphthalene	LCS	LCS DUP	40.0	58.0	49	12.7	37
Naphthalene	LCS	LCS DUP	65.0	68.0	66.5	2.1	5
Naphthalene	LCS	LCS DUP	84.0	40.0	62	31.1	71
Naphthalene	LCS	LCS DUP	64.0	71.0	67.5	4.9	10
Phenanthrene	LCS	LCS DUP	67.0	64.0	65.5	2.1	5
Phenanthrene	LCS	LCS DUP	68.0	58.0	63	7.1	16
Phenanthrene	LCS	LCS DUP	100.0	99.0	99.5	0.7	1
Phenanthrene	LCS	LCS DUP	56.0	47.0	51.5	6.4	17
Phenanthrene	LCS	LCS DUP	41.0	56.0	48.5	10.6	31
Phenanthrene	LCS	LCS DUP	63.0	63.0	63	0.0	0
Phenanthrene	LCS	LCS DUP	65.0	27.0	46	26.9	83
Phenanthrene	LCS	LCS DUP	65.0	66.0	65.5	0.7	2
Pyrene	LCS	LCS DUP	64.0	63.0	63.5	0.7	2
Pyrene	LCS	LCS DUP	63.0	58.0	60.5	3.5	8
Pyrene	LCS	LCS DUP	91.0	88.0	89.5	2.1	3
Pyrene	LCS	LCS DUP	58.0	45.0	51.5	9.2	25
Pyrene	LCS	LCS DUP	38.0	57.0	47.5	13.4	40
Pyrene	LCS	LCS DUP	61.0	61.0	61	0.0	0

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-218

TABLE A-3

DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8310, cont.							
Type = Laboratory Control, cont.							
Type = Matrix Spike							
Pyrene	LCS	LCS DUP	63.0	26.0	44.5	26.2	83
Pyrene	LCS	LCS DUP	63.0	64.0	63.5	0.7	2
Type = Matrix Spike							
Acenaphthene	01-SS-07-01 MS	01-SS-07-01 MSD	0.00 (Q)	0.00 (Q)	0	0.0	NC
Acenaphthene	04-DS-01 MS	04-DS-01 MSD	17.0	11.0	14	4.2	43
Acenaphthene	04-MW-01-02 MS	04-MW-01-02 MSD	25.0	20.0	22.5	3.5	22
Acenaphthene	07-MW-03-02 MS	07-MW-03-02 MSD	0.00 (Q)	0.00 (Q)	0	0.0	NC
Acenaphthene	07-SS-01-01 MS	07-SS-01-01 MSD	202.0 (Q)	195.0 (Q)	198.5	4.9	4
Acenaphthene	10-DS-01 MS	10-DS-01 MSD	58.0	67.0	62.5	6.4	14
Acenaphthene	10-SS-01-01 MS	10-SS-01-01 MSD	59.0	14.0	36.5	31.8	123
Acenaphthylene	01-SS-07-01 MS	01-SS-07-01 MSD	38.0	46.0	42	5.7	19
Acenaphthylene	04-DS-01 MS	04-DS-01 MSD	15.0	11.0	13	2.8	31
Acenaphthylene	04-MW-01-02 MS	04-MW-01-02 MSD	19.0	15.0	17	2.8	24
Acenaphthylene	07-MW-03-02 MS	07-MW-03-02 MSD	65.0	74.0	69.5	6.4	13
Acenaphthylene	07-SS-01-01 MS	07-SS-01-01 MSD	73.0	78.0	75.5	3.5	7
Acenaphthylene	10-DS-01 MS	10-DS-01 MSD	56.0	66.0	61	7.1	16
Acenaphthylene	10-SS-01-01 MS	10-SS-01-01 MSD	78.0	29.0	53.5	34.6	92
Anthracene	01-SS-07-01 MS	01-SS-07-01 MSD	60.0	89.0	74.5	20.5	39
Anthracene	04-DS-01 MS	04-DS-01 MSD	20.0	16.0	18	2.8	22
Anthracene	04-MW-01-02 MS	04-MW-01-02 MSD	47.0	31.0	39	11.3	41
Anthracene	07-MW-03-02 MS	07-MW-03-02 MSD	72.0	83.0	77.5	7.8	14
Anthracene	07-SS-01-01 MS	07-SS-01-01 MSD	61.0	59.0	60	1.4	3
Anthracene	10-DS-01 MS	10-DS-01 MSD	68.0	78.0	73	7.1	14
Anthracene	10-SS-01-01 MS	10-SS-01-01 MSD	54.0	33.0	43.5	14.8	48
Benzo(k)fluoranthene	01-SS-07-01 MS	01-SS-07-01 MSD	77.0	84.0	80.5	4.9	9
Benzo(k)fluoranthene	04-DS-01 MS	04-DS-01 MSD	23.0	17.0	20	4.2	30
Benzo(k)fluoranthene	04-MW-01-02 MS	04-MW-01-02 MSD	63.0	44.0	53.5	13.4	36
Benzo(k)fluoranthene	07-MW-03-02 MS	07-MW-03-02 MSD	93.0	115.0	104	15.6	21
Benzo(k)fluoranthene	07-SS-01-01 MS	07-SS-01-01 MSD	72.0	62.0	67	7.1	15
Benzo(k)fluoranthene	10-DS-01 MS	10-DS-01 MSD	45.0	54.0	49.5	6.4	18
Benzo(k)fluoranthene	10-SS-01-01 MS	10-SS-01-01 MSD	60.0	57.0	58.5	2.1	5

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

() = Footnote Character

A-3-219

TABLE A-3 DETAILED LISTING OF DUPLICATION RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Value	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW8310, cont.							
Type = Matrix Spike, cont.							
Dibenzo(a,h)anthracene	01-SS-07-01 MS	01-SS-07-01 MSD	59.0	59.0	59	0.0	0
Dibenzo(a,h)anthracene	04-DS-01 MS	04-DS-01 MSD	25.0	17.0	21	5.7	38
Dibenzo(a,h)anthracene	04-MW-01-02 MS	04-MW-01-02 MSD	55.0	36.0	45.5	13.4	42
Dibenzo(a,h)anthracene	07-MW-03-02 MS	07-MW-03-02 MSD	68.0	82.0	75	9.9	19
Dibenzo(a,h)anthracene	07-SS-01-01 MS	07-SS-01-01 MSD	62.0	50.0	56	8.5	21
Dibenzo(a,h)anthracene	10-DS-01 MS	10-DS-01 MSD	45.0	53.0	49	5.7	16
Dibenzo(a,h)anthracene	10-SS-01-01 MS	10-SS-01-01 MSD	48.0	51.0	49.5	2.1	6
Fluorene	01-SS-07-01 MS	01-SS-07-01 MSD	45.0	61.0	53	11.3	30
Fluorene	04-DS-01 MS	04-DS-01 MSD	23.0	18.0	20.5	3.5	24
Fluorene	04-MW-01-02 MS	04-MW-01-02 MSD	42.0	31.0	36.5	7.8	30
Fluorene	07-MW-03-02 MS	07-MW-03-02 MSD	86.0	97.0	91.5	7.8	12
Fluorene	07-SS-01-01 MS	07-SS-01-01 MSD	76.0	73.0	74.5	2.1	4
Fluorene	10-DS-01 MS	10-DS-01 MSD	74.0	85.0	79.5	7.8	14
Fluorene	10-SS-01-01 MS	10-SS-01-01 MSD	57.0	22.0	39.5	24.7	89
Naphthalene	01-SS-07-01 MS	01-SS-07-01 MSD	67.0	56.0	61.5	7.8	18
Naphthalene	04-DS-01 MS	04-DS-01 MSD	11.0	9.0	10	1.4	20
Naphthalene	04-MW-01-02 MS	04-MW-01-02 MSD	0.00 (Q)	9.0	4.5	6.4	200
Naphthalene	07-MW-03-02 MS	07-MW-03-02 MSD	108.0	116.0	112	5.7	7
Naphthalene	07-SS-01-01 MS	07-SS-01-01 MSD	60.0	38.0	49	15.6	45
Naphthalene	10-DS-01 MS	10-DS-01 MSD	77.0	94.0	85.5	12.0	20
Naphthalene	10-SS-01-01 MS	10-SS-01-01 MSD	73.0	0.00 (Q)	36.5	51.6	200
Phenanthrene	01-SS-07-01 MS	01-SS-07-01 MSD	45.0	73.0	59	19.8	47
Phenanthrene	04-DS-01 MS	04-DS-01 MSD	23.0	19.0	21	2.8	19
Phenanthrene	04-MW-01-02 MS	04-MW-01-02 MSD	45.0	33.0	39	8.5	31
Phenanthrene	07-MW-03-02 MS	07-MW-03-02 MSD	62.0	72.0	67	7.1	15
Phenanthrene	07-SS-01-01 MS	07-SS-01-01 MSD	280.0 (Q)	288.0 (Q)	284	5.7	3
Phenanthrene	10-DS-01 MS	10-DS-01 MSD	45.0	54.0	49.5	6.4	18
Phenanthrene	10-SS-01-01 MS	10-SS-01-01 MSD	114.0	49.0	81.5	46.0	80

Method = SW846

Type = Field Duplicate

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

TABLE A-3

## DETAILED LISTING OF DUPLICATE RESULTS, SOIL SAMPLES, GALENA 1992 EVENT

Parameter	Sample ID	Duplicate Sample ID	Duplicate Value	Mean Value	Standard Deviation	RPD (%)
Method = SW846, cont.						
Type = Field Duplicate, cont.						
Percent moisture	01-SD-01-01	01-DS-01	32.0	30	2.8	13
Percent moisture	01-SS-07-01	01-DS-02	1.0	1.5	0.7	67
Percent moisture	01-SD-02-01	01-DS-03	30.0	29.5	0.7	3
Percent moisture	04-SD-02-01	04-DS-01	23.0	24	1.4	8
Percent moisture	04-SS-01-01	04-DS-02	44.0	42.5	2.1	7
Percent moisture	05-SB-03-01	05-DS-01	26.0	25	1.4	8
Percent moisture	05-MW-03-02	05-DS-02	19.0	19	0.0	0
Percent moisture	05-SS-13-01	05-DS-03	1.8	1.7	0.1	12
Percent moisture	05-SD-01-01	05-DS-04	8.7	8.6	0.1	2
Percent moisture	06-MW-03-02	06-DS-01	21.0	20.5	0.7	5
Percent moisture	06-SB-01-01	06-DS-02	23.0	23	0.0	0
Percent moisture	07-MW-03-02	07-DS-01	37.0	36	1.4	6
Percent moisture	07-SS-01-01	07-DS-02	15.0	14.5	0.7	7
Percent moisture	07-SD-01-01	07-DS-03	29.0	28	1.4	7
Percent moisture	09-MW-06-02	09-DS-01	20.0	19.5	0.7	5
Percent moisture	10-MW-01-01	10-DS-01	23.0	22	1.4	9
Percent moisture	10-SS-03-01	10-DS-02	8.9	9	0.1	2
Percent moisture	11-SS-01-01	11-DS-01	14.0	13	1.4	15
Method = SW9045						
Type = Field Duplicate						
pH	07-MW-03-02	07-DS-01	7.4	7.6	0.3	5
pH	07-SS-01-01	07-DS-02	5.5	6	0.7	17

Compiled: 11 May 1994

NC = Not Calculable

ND = Not Detected

( ) = Footnote Character

A-3-221

**ATTACHMENT A - APPENDIX B**

**Table A-4**

**Date and Batch Summary - 1992 Soil Samples**

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 01-DS-01 Field Duplicate						
SW6010 - Metals	DIPSSA00	001A	JA61_100521-010	09/04/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	001A	Z3__091608-003	09/04/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	001A	Z1__091719-001	09/04/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	001A	Z3__092418-001	09/04/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	001A	Z3__092312-001	09/04/92	15 Septe	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L091712-002	09/04/92	18 Septe	18 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-G100716-001	09/04/92	14 Septe	8 Octobe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC892101308-42	09/04/92	12 Septe	15 Octob
SW8240 - Volatile Organics	NONE	001A	450392091608440	09/04/92	16 Septe	16 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	001A	LCC92092612-53	09/04/92	11 Septe	28 Septe
SW846 - Percent Moisture	NONE	001A	MSRSSN00_091792	09/04/92	17 Septe	17 Septe
Sample ID : 01-DS-01 CONF Field Duplicate						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC892101309-42	09/04/92	12 Septe	15 Octob
Sample ID : 01-DS-02 Field Duplicate						
SW6010 - Metals	DIPSSA00	000C	JA61_092716-001	08/04/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090813-002	08/04/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000C	Z1__091417-002	08/04/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000C	D2__082413-001	08/04/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000C	Z2__090917-001	08/04/92	2 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	122B	TP-L081714-002	08/04/92	18 August	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M091017-001	08/04/92	10 August	11 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091712-54	08/04/92	11 August	18 Septe
SW8240 - Volatile Organics	NONE	122B	450492081410380	08/04/92	14 August	14 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92081912-3	08/04/92	11 August	20 August
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081892	08/04/92	18 August	18 August
Sample ID : 01-DS-02 CONF Field Duplicate						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091713-54	08/04/92	11 August	18 Septe
Sample ID : 01-DS-03 Field Duplicate						
SW6010 - Metals	DIPSSA00	001A	JA61_100521-010	09/04/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	001A	Z3__091608-003	09/04/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	001A	Z1__091719-001	09/04/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	001A	Z3__092418-001	09/04/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	001A	Z3__092312-001	09/04/92	15 Septe	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L091712-002	09/04/92	18 Septe	18 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-G100716-001	09/04/92	14 Septe	8 Octobe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC892101308-14	09/04/92	12 Septe	14 Octob
SW8240 - Volatile Organics	NONE	001A	450392091508530	09/04/92	15 Septe	15 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	001A	LCC92092612-53	09/04/92	11 Septe	28 Septe
SW846 - Percent Moisture	NONE	001A	MSRSSN00_091792	09/04/92	17 Septe	17 Septe

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY
Sample ID : 01-DS-03 CONF Field Duplicate						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC892101309-14	09/04/92	12 Septe	14 Octob
Sample ID : 01-MW-01-02 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_092716-001	08/03/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090813-002	08/03/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000C	Z1__091417-002	08/03/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000C	D2__082413-001	08/03/92	24 Augus	24 Augus
SW7740 - Selenium	DIFSSA00	000C	Z2__090917-001	08/03/92	2 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M091017-001	08/03/92	10 Augus	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	122B	TP-L081714-002	08/03/92	17 Augus	17 Augus
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091712-54	08/03/92	11 Augus	19 Septe
SW8240 - Volatile Organics	NONE	122B	450392081308360	08/03/92	13 Augus	13 Augus
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	122B	LCC92092512-16	08/03/92	24 Augus	26 Septe
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081892	08/03/92	18 Augus	18 Augus
Sample ID : 01-MW-01-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091713-54	08/03/92	11 Augus	19 Septe
Sample ID : 01-MW-02-02 Normal						
SW6010 - Metals	DIPSSA00	000A	JA61_092909-001	08/06/92	2 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	000A	Z3__090808-001	08/06/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000A	Z1__091108-001	08/06/92	2 Septem	11 Septe
SW7471 - Mercury	METHOD	000A	Z3__082518-003	08/06/92	25 Augus	25 Augus
SW7740 - Selenium	DIFSSA00	000A	Z2__091113-001	08/06/92	2 Septem	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	211B	TP-L081921-002	08/06/92	19 Augus	19 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	211B	TP-M091915-001	08/06/92	18 Augus	20 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192092512-14	08/06/92	18 Augus	26 Septe
SW8240 - Volatile Organics	NONE	211B	450392081709090	08/06/92	17 Augus	17 Augus
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000A	LCC92091612-1	08/06/92	17 Augus	16 Septe
SW846 - Percent Moisture	NONE	000A	MSRSSN00_081892	08/06/92	18 Augus	18 Augus
Sample ID : 01-MW-02-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192092513-14	08/06/92	18 Augus	26 Septe
Sample ID : 01-MW-02-02 MS Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	000A	TP-L081921-002	08/06/92	19 Augus	19 Augus
Sample ID : 01-MW-02-02 MSD Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	000A	TP-L081921-002	08/06/92	19 Augus	19 Augus



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 01-SB-01-01 Normal						
SW6010 - Metals	DIPSSA00	010C	JA61_092909-001	08/08/92	2 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	010C	Z3__090813-001	08/08/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	010C	Z1__091108-001	08/08/92	2 Septem	11 Septe
SW7471 - Mercury	METHOD	010C	Z3__082518-003	08/08/92	25 August	25 August
SW7740 - Selenium	DIFSSA00	010C	Z2__091113-001	08/08/92	2 Septem	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	211B	TP-L082011-002	08/08/92	20 August	20 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	211B	TP-M091915-001	08/08/92	18 August	20 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010C	GC192092512-14	08/08/92	18 August	26 Septe
SW8240 - Volatile Organics	NONE	211B	450292081907450	08/08/92	19 August	19 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	010C	LCC92082412-1	08/08/92	17 August	25 August
SW846 - Percent Moisture	NONE	010C	MSRSSN00_081892	08/08/92	18 August	18 August
Sample ID : 01-SB-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010C	GC192092513-14	08/08/92	18 August	26 Septe
Sample ID : 01-SB-01-02 Normal						
SW6010 - Metals	DIPSSA00	000A	JA61_092909-001	08/08/92	2 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	000A	Z3__090808-001	08/08/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000A	Z1__091108-001	08/08/92	2 Septem	11 Septe
SW7471 - Mercury	METHOD	000A	Z3__082518-003	08/08/92	25 August	25 August
SW7740 - Selenium	DIFSSA00	000A	Z2__091113-001	08/08/92	2 Septem	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	211B	TP-L081921-002	08/08/92	19 August	19 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	211B	TP-M091915-001	08/08/92	18 August	20 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192092512-14	08/08/92	18 August	26 Septe
SW8240 - Volatile Organics	NONE	211B	450392081709090	08/08/92	17 August	17 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000A	LCC92091612-1	08/08/92	17 August	16 Septe
SW846 - Percent Moisture	NONE	000A	MSRSSN00_081892	08/08/92	18 August	18 August
Sample ID : 01-SB-01-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192092513-14	08/08/92	18 August	26 Septe
Sample ID : 01-SB-01-03 Normal						
SW6010 - Metals	DIPSSA00	010C	JA61_092909-001	08/08/92	2 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	010C	Z3__090813-001	08/08/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	010C	Z1__091108-001	08/08/92	2 Septem	11 Septe
SW7471 - Mercury	METHOD	010C	Z3__082518-003	08/08/92	25 August	25 August
SW7740 - Selenium	DIFSSA00	010C	Z2__091113-001	08/08/92	2 Septem	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	211B	TP-M091915-001	08/08/92	18 August	20 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	211B	TP-L081921-002	08/08/92	19 August	19 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010C	GC192092512-14	08/08/92	18 August	26 Septe
SW8240 - Volatile Organics	NONE	211B	450392081709090	08/08/92	17 August	17 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	010C	LCC92091612-1	08/08/92	17 August	16 Septe
SW846 - Percent Moisture	NONE	010C	MSRSSN00_081892	08/08/92	18 August	18 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYSED
Sample ID : 01-SB-01-03 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010C	GC192092513-14	08/08/92	18 August	26 Septe
Sample ID : 01-SB-02-01 Normal						
SW6010 - Metals	DIPSSA00	000A	JA61_092909-001	08/08/92	2 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	000A	Z3__090808-001	08/08/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000A	Z1__091108-001	08/08/92	2 Septem	11 Septe
SW7471 - Mercury	METHOD	000A	Z3__082518-003	08/08/92	25 August	25 August
SW7740 - Selenium	DIFSSA00	000A	Z2__091113-001	08/08/92	2 Septem	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	211B	TP-L081921-002	08/08/92	19 August	19 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	211B	TP-M091915-001	08/08/92	18 August	19 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192092512-14	08/08/92	18 August	26 Septe
SW8240 - Volatile Organics	NONE	211B	450292081907450	08/08/92	19 August	19 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000A	LCC92082412-1	08/08/92	17 August	25 August
SW846 - Percent Moisture	NONE	000A	MSRSSN00_081892	08/08/92	18 August	18 August
Sample ID : 01-SB-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192092513-14	08/08/92	18 August	26 Septe
Sample ID : 01-SB-02-02 Normal						
SW6010 - Metals	DIPSSA00	000A	JA61_092909-001	08/08/92	2 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	000A	Z3__090808-001	08/08/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000A	Z1__091108-001	08/08/92	2 Septem	11 Septe
SW7471 - Mercury	METHOD	000A	Z3__082518-003	08/08/92	25 August	25 August
SW7740 - Selenium	DIFSSA00	000A	Z2__091113-001	08/08/92	2 Septem	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	211B	TP-M092012-001	08/08/92	18 August	21 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	211B	TP-L081921-002	08/08/92	19 August	19 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192092512-14	08/08/92	18 August	26 Septe
SW8240 - Volatile Organics	NONE	211B	450292081907450	08/08/92	19 August	19 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000A	LCC92082412-1	08/08/92	17 August	25 August
SW846 - Percent Moisture	NONE	000A	MSRSSN00_081892	08/08/92	18 August	18 August
Sample ID : 01-SB-02-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192092513-14	08/08/92	18 August	26 Septe
Sample ID : 01-SB-02-03 Normal						
SW6010 - Metals	DIPSSA00	000A	JA61_092909-001	08/08/92	2 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	000A	Z3__090808-001	08/08/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000A	Z1__091108-001	08/08/92	2 Septem	11 Septe
SW7471 - Mercury	METHOD	000A	Z3__082518-003	08/08/92	25 August	25 August
SW7740 - Selenium	DIFSSA00	000A	Z2__091113-001	08/08/92	2 Septem	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	211B	TP-L082011-002	08/08/92	20 August	20 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	211B	TP-M091915-001	08/08/92	18 August	20 S
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192092512-14	08/08/92	18 August	26 Septe
SW8240 - Volatile Organics	NONE	211B	450292081907450	08/08/92	19 August	19 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000A	LCC92091612-1	08/08/92	17 Augus	16 Septe
SW846 - Percent Moisture	NONE	000A	MSRSSN00_081892	08/08/92	18 Augus	18 Augus
Sample ID : 01-SB-02-03 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192092513-14	08/08/92	18 Augus	26 Septe
Sample ID : 01-SD-01-01 Normal						
SW6010 - Metals	DIPSSA00	001A	JA61_100521-010	09/04/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	001A	Z3__091608-003	09/04/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	001A	Z1__091719-001	09/04/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	001A	Z3__092418-001	09/04/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	001A	Z3__092312-001	09/04/92	15 Septe	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-G100716-001	09/04/92	14 Septe	8 Octobe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L091712-002	09/04/92	18 Septe	18 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC892101308-42	09/04/92	12 Septe	15 Octob
SW8240 - Volatile Organics	NONE	001A	450392091608440	09/04/92	16 Septe	16 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	001A	LCC92092612-53	09/04/92	11 Septe	28 Septe
SW846 - Percent Moisture	NONE	001A	MSRSSN00_091792	09/04/92	17 Septe	17 Septe
Sample ID : 01-SD-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC892101309-42	09/04/92	12 Septe	15 Octob
Sample ID : 01-SD-01-01 MS Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	001A	TP-L091712-002	09/04/92	18 Septe	18 Septe
Sample ID : 01-SD-01-01 MSD Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	001A	TP-L091712-002	09/04/92	18 Septe	18 Septe
Sample ID : 01-SD-02-01 Normal						
SW6010 - Metals	DIPSSA00	001A	JA61_100521-010	09/04/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	001A	Z3__091608-003	09/04/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	001A	Z1__091719-001	09/04/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	001A	Z3__092418-001	09/04/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	001A	Z3__092312-001	09/04/92	15 Septe	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L091712-002	09/04/92	18 Septe	18 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-G100716-001	09/04/92	14 Septe	8 Octobe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC892101308-14	09/04/92	12 Septe	14 Octob
SW8240 - Volatile Organics	NONE	001A	450392091508530	09/04/92	15 Septe	15 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	001A	LCC92092612-53	09/04/92	11 Septe	28 Septe
SW846 - Percent Moisture	NONE	001A	MSRSSN00_091792	09/04/92	17 Septe	17 Septe
Sample ID : 01-SD-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC892101309-14	09/04/92	12 Septe	14 Octob

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY
Sample ID : 01-SD-02-01 MS Matrix Spike						
SW8240 - Volatile Organics	NONE	001A	450392091608440	09/04/92	16 Septe	16 Septe
Sample ID : 01-SD-02-01 MSD Matrix Spike						
SW8240 - Volatile Organics	NONE	001A	450392091608440	09/04/92	16 Septe	16 Septe
Sample ID : 01-SS-01-01 Normal						
SW6010 - Metals	DIPSSA00	000A	JA61_092716-001	08/04/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000A	Z3__090813-002	08/04/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000A	Z1__091417-002	08/04/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000A	D2__082413-001	08/04/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000A	Z2__090917-001	08/04/92	2 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M091116-001	08/04/92	10 August	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	122B	TP-L081714-002	08/04/92	18 August	18 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192091712-15	08/04/92	11 August	18 Septe
SW8240 - Volatile Organics	NONE	122B	450392081308360	08/04/92	13 August	13 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000A	LCC92081912-3	08/04/92	11 August	20 August
SW846 - Percent Moisture	NONE	000A	MSRSSN00_081892	08/04/92	18 August	18 August
Sample ID : 01-SS-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192091713-15	08/04/92	11 August	18 Septe
Sample ID : 01-SS-02-01 Normal						
SW6010 - Metals	DIPSSA00	000A	JA61_092716-001	08/04/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000A	Z3__090813-002	08/04/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000A	Z1__091417-002	08/04/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000A	D2__082413-001	08/04/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000A	Z2__090917-001	08/04/92	2 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	122B	TP-L081714-002	08/04/92	18 August	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M091116-001	08/04/92	10 August	11 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192091712-15	08/04/92	11 August	18 Septe
SW8240 - Volatile Organics	NONE	122B	450392081308360	08/04/92	13 August	13 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000A	LCC92081912-3	08/04/92	11 August	20 August
SW846 - Percent Moisture	NONE	000A	MSRSSN00_081892	08/04/92	18 August	18 August
Sample ID : 01-SS-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192091713-15	08/04/92	11 August	18 Septe
Sample ID : 01-SS-03-01 Normal						
SW6010 - Metals	DIPSSA00	000A	JA61_092716-001	08/04/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000A	Z3__090813-002	08/04/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000A	Z1__091417-002	08/04/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000A	D2__082413-001	08/04/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000A	Z2__090917-001	08/04/92	2 Septem	9 Septem

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	122B	TP-L081921-002	08/04/92	18 August	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M091017-001	08/04/92	10 August	11 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192091712-15	08/04/92	11 August	18 Septe
SW8240 - Volatile Organics	NONE	122B	450492081410380	08/04/92	14 August	14 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000A	LCC92081912-3	08/04/92	11 August	20 August
SW846 - Percent Moisture	NONE	000A	MSRSSN00_081892	08/04/92	18 August	18 August
Sample ID : 01-SS-03-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000A	GC192091713-15	08/04/92	11 August	18 Septe
Sample ID : 01-SS-04-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_092716-001	08/04/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3_090813-002	08/04/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000C	Z1_091417-002	08/04/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000C	D2_082413-001	08/04/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000C	Z2_090917-001	08/04/92	2 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M091017-001	08/04/92	10 August	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	122B	TP-L081921-002	08/04/92	18 August	18 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091712-15	08/04/92	11 August	18 Septe
SW8240 - Volatile Organics	NONE	122B	450492081410380	08/04/92	14 August	14 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92081912-3	08/04/92	11 August	20 August
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081892	08/04/92	18 August	18 August
Sample ID : 01-SS-04-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091713-15	08/04/92	11 August	18 Septe
Sample ID : 01-SS-05-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_092716-001	08/04/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3_090813-002	08/04/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000C	Z1_091417-002	08/04/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000C	D2_082413-001	08/04/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000C	Z2_090917-001	08/04/92	2 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	122B	TP-L081714-002	08/04/92	18 August	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M091116-001	08/04/92	10 August	11 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091712-15	08/04/92	11 August	18 Septe
SW8240 - Volatile Organics	NONE	122B	450392081308360	08/04/92	13 August	13 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92081912-3	08/04/92	11 August	20 August
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081892	08/04/92	18 August	18 August
Sample ID : 01-SS-05-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091713-15	08/04/92	11 August	18 Septe
Sample ID : 01-SS-06-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_092716-001	08/04/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3_090813-002	08/04/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000C	Z1_091417-002	08/04/92	2 Septem	14 Septe

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW7471 - Mercury	METHOD	000C	D2__082413-001	08/04/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000C	Z2__090917-001	08/04/92	2 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	122B	TP-L081714-002	08/04/92	18 August	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M091116-001	08/04/92	10 August	11 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091712-54	08/04/92	11 August	18 Septe
SW8240 - Volatile Organics	NONE	122B	450392081308360	08/04/92	13 August	13 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92081912-3	08/04/92	11 August	20 August
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081892	08/04/92	18 August	18 August
Sample ID : 01-SS-06-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091713-54	08/04/92	11 August	18 Septe
Sample ID : 01-SS-07-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_092716-001	08/04/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090813-002	08/04/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000C	Z1__091417-002	08/04/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000C	D2__082413-001	08/04/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000C	Z2__090917-001	08/04/92	2 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	122B	TP-L081714-002	08/04/92	18 August	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M090824-001	08/04/92	10 August	9 Septem
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091712-15	08/04/92	11 August	17 Septe
SW8240 - Volatile Organics	NONE	122B	450492081410380	08/04/92	14 August	14 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92081912-3	08/04/92	11 August	19 August
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081892	08/04/92	18 August	18 August
Sample ID : 01-SS-07-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091713-15	08/04/92	11 August	17 Septe
Sample ID : 01-SS-07-01 MS Matrix Spike						
SW6010 - Metals	DIPSSA00	000C	JA61_092716-001	08/04/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090813-002	08/04/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000C	Z1__091417-002	08/04/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000C	D2__082413-001	08/04/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000C	Z2__090917-001	08/04/92	2 Septem	9 Septem
SW8015 - Nonhalogenated Volatile Organics	NONE	000C	TP-L081714-002	08/04/92	18 August	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M090824-001	08/04/92	10 August	9 Septem
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091712-15	08/04/92	11 August	18 Septe
SW8240 - Volatile Organics	NONE	122B	450492081410380	08/04/92	14 August	14 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92081912-3	08/04/92	11 August	19 August
Sample ID : 01-SS-07-01 MS CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091713-15	08/04/92	11 August	18 Septe
Sample ID : 01-SS-07-01 MSD Matrix Spike						
SW6010 - Metals	DIPSSA00	000C	JA61_092716-001	08/04/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090813-002	08/04/92	2 Septem	8 Septem

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW7421 - Lead	DIFSSA00	000C	Z1__091417-002	08/04/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000C	D2__082413-001	08/04/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000C	Z2__090917-001	08/04/92	2 Septem	9 Septem
SW8015 - Nonhalogenated Volatile Organics	NONE	000C	TP-L081714-002	08/04/92	18 August	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M090824-001	08/04/92	10 August	9 Septem
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091712-15	08/04/92	11 August	18 Septe
SW8240 - Volatile Organics	NONE	122B	450492081410380	08/04/92	14 August	14 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92081912-3	08/04/92	11 August	19 August
Sample ID : 01-SS-07-01 MSD CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC192091713-15	08/04/92	11 August	18 Septe
Sample ID : 01-SS-08-01 Normal						
SW6010 - Metals	DIPSSA00	000E	JA61_092716-001	08/04/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000E	Z3__090813-002	08/04/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000E	Z1__091417-002	08/04/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000E	D2__082413-001	08/04/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000E	Z2__090917-001	08/04/92	2 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M091116-001	08/04/92	10 August	12 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	122B	TP-L081714-002	08/04/92	18 August	18 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC192091712-54	08/04/92	11 August	19 Septe
SW8240 - Volatile Organics	NONE	122B	450392081408310	08/04/92	14 August	14 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000E	LCC92082412-1	08/04/92	17 August	25 August
SW846 - Percent Moisture	NONE	000E	MSRSSN00_081892	08/04/92	18 August	18 August
Sample ID : 01-SS-08-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC192091713-54	08/04/92	11 August	19 Septe
Sample ID : 01-SS-09-01 Normal						
SW6010 - Metals	DIPSSA00	000E	JA61_092716-001	08/04/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000E	Z3__090813-002	08/04/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000E	Z1__091417-002	08/04/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000E	D2__082413-001	08/04/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000E	Z2__090917-001	08/04/92	2 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	122B	TP-L081921-002	08/04/92	18 August	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M090921-001	08/04/92	10 August	10 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC192091712-54	08/04/92	11 August	19 Septe
SW8240 - Volatile Organics	NONE	122B	450392081408310	08/04/92	14 August	14 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000E	LCC92081912-3	08/04/92	11 August	20 August
SW846 - Percent Moisture	NONE	000E	MSRSSN00_081992	08/04/92	19 August	19 August
Sample ID : 01-SS-09-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC192091713-54	08/04/92	11 August	19 Septe



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY
Sample ID : 01-SS-10-01 Normal						
SW6010 - Metals	DIPSSA00	000E	JA61_092716-001	08/04/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000E	Z3__090813-002	08/04/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000E	Z1__091417-002	08/04/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000E	D2__082413-001	08/04/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000E	Z2__090917-001	08/04/92	2 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	122B	TP-L081714-002	08/04/92	18 August	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	122B	TP-M090921-001	08/04/92	10 August	10 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC192091712-54	08/04/92	11 August	19 Septe
SW8240 - Volatile Organics	NONE	122B	450392081308360	08/04/92	13 August	13 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000E	LCC92081912-3	08/04/92	11 August	20 August
SW846 - Percent Moisture	NONE	000E	MSRSSN00_081892	08/04/92	18 August	18 August
Sample ID : 01-SS-10-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC192091713-54	08/04/92	11 August	19 Septe
Sample ID : 04-DS-01 Field Duplicate						
SW6010 - Metals	DIPSSA00	000B	JA61_100113-001	08/15/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__090916-001	08/15/92	6 Septem	9 Septem
SW7421 - Lead	DIFSSA00	000B	Z1__091308-003	08/15/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000B	Z3__090316-002	08/15/92	3 Septem	3 Septe
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-001	08/15/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092012-001	08/15/92	25 August	20 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-N082420-002	08/15/92	25 August	25 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092612-14	08/15/92	25 August	27 Septe
SW8240 - Volatile Organics	NONE	001A	450192082011220	08/15/92	20 August	20 August
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292090710580	08/15/92	26 August	7 Septem
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92092512-16	08/15/92	24 August	26 Septe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_082092	08/15/92	20 August	20 August
Sample ID : 04-DS-01 CONF Field Duplicate						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092613-14	08/15/92	25 August	27 Septe
Sample ID : 04-DS-01 MS Matrix Spike						
SW6010 - Metals	DIPSSA00	000B	JA61_100113-001	08/15/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__090916-001	08/15/92	6 Septem	9 Septem
SW7421 - Lead	DIFSSA00	000B	Z1__091308-003	08/15/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000B	Z3__090316-002	08/15/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-001	08/15/92	6 Septem	13 Septe
SW8015 - Nonhalogenated Volatile Organics	NONE	000B	TP-N082420-002	08/15/92	24 August	24 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092012-001	08/15/92	25 August	20 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092612-14	08/15/92	25 August	27 Septe
SW8240 - Volatile Organics	NONE	001A	450192082011220	08/15/92	20 August	20 August
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292090710580	08/15/92	26 August	7 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92092512-15	08/15/92	24 August	26 Septe



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 04-DS-01 MS CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092613-14	08/15/92	25 August	27 Septe
Sample ID : 04-DS-01 MSD Matrix Spike						
SW6010 - Metals	DIPSSA00	000B	JA61_100113-001	08/15/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__090916-001	08/15/92	6 Septem	9 Septem
SW7421 - Lead	DIFSSA00	000B	Z1__091308-003	08/15/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000B	Z3__090316-002	08/15/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-001	08/15/92	6 Septem	13 Septe
SW8015 - Nonhalogenated Volatile Organics	NONE	000B	TP-N082420-002	08/15/92	24 August	24 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092012-001	08/15/92	25 August	20 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092612-14	08/15/92	25 August	27 Septe
SW8240 - Volatile Organics	NONE	001A	450192082011220	08/15/92	20 August	20 August
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292090710580	08/15/92	26 August	7 Septem
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92092512-16	08/15/92	24 August	26 Septe
Sample ID : 04-DS-01 MSD CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092613-14	08/15/92	25 August	27 Septe
Sample ID : 04-DS-02 Field Duplicate						
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292090710580	08/15/92	26 August	7 Septem
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92092512-16	08/15/92	24 August	26 Septe
SW846 - Percent Moisture	NONE	000C	MSRSSN00_082092	08/15/92	20 August	20 August
Sample ID : 04-MW-01-02 Normal						
SW6010 - Metals	DIPSSA00	001A	JA61_092914-001	08/19/92	9 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	001A	Z3__091309-002	08/19/92	9 Septem	13 Septe
SW7421 - Lead	DIFSSA00	001A	Z1__091417-001	08/19/92	9 Septem	14 Septe
SW7471 - Mercury	METHOD	001A	Z3__090316-002	08/19/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	001A	Z2__091409-002	08/19/92	9 Septem	14 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-N082719-002	08/19/92	27 August	27 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092012-001	08/19/92	25 August	21 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC492092612-14	08/19/92	25 August	27 Septe
SW8240 - Volatile Organics	NONE	001A	450392082708330	08/19/92	27 August	27 August
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192091409020	08/19/92	30 August	14 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	001A	LCC92090412-1	08/19/92	30 August	4 Septem
SW846 - Percent Moisture	NONE	001A	MSRSSN00_090592	08/19/92	5 Septem	5 Septem
Sample ID : 04-MW-01-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC492092613-14	08/19/92	25 August	27 Septe
Sample ID : 04-MW-01-02 MS Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	001A	TP-N082719-002	08/19/92	27 August	27 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	001A	LCC92090412-1	08/19/92	30 August	4 Septem

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY
Sample ID : 04-MW-01-02 MSD Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	001A	TP-N082719-002	08/19/92	27 August	27 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	001A	LCC92090412-1	08/19/92	30 August	4 Septem
Sample ID : 04-MW-02-02 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_100113-001	08/13/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090916-001	08/13/92	6 Septem	9 Septem
SW7421 - Lead	DIFSSA00	000C	Z1__091308-003	08/13/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000C	Z3__090316-002	08/13/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	000C	Z2__091308-001	08/13/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	002A	TP-M092114-001	08/14/92	25 August	22 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	002A	TP-N082420-002	08/14/92	25 August	25 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC492092612-14	08/13/92	25 August	27 Septe
SW8240 - Volatile Organics	NONE	002A	450192082011220	08/13/92	21 August	21 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292090710580	08/13/92	26 August	7 Septem
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92092512-16	08/13/92	24 August	26 Septe
SW846 - Percent Moisture	NONE	000C	MSRSSN00_082092	08/13/92	20 August	20 August
Sample ID : 04-MW-02-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC492092613-14	08/13/92	25 August	27 Septe
Sample ID : 04-MW-03-02 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_100113-001	08/14/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090916-001	08/14/92	6 Septem	9 Septem
SW7421 - Lead	DIFSSA00	000C	Z1__091308-003	08/14/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000C	Z3__090316-002	08/14/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	000C	Z2__091308-001	08/14/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	002A	TP-N082420-002	08/14/92	25 August	25 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	002A	TP-M092114-001	08/14/92	25 August	22 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC492092612-14	08/14/92	25 August	27 Septe
SW8240 - Volatile Organics	NONE	002A	450192082108370	08/14/92	21 August	21 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292090710580	08/14/92	26 August	7 Septem
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92092512-16	08/14/92	24 August	26 Septe
SW846 - Percent Moisture	NONE	000C	MSRSSN00_082092	08/14/92	20 August	20 August
Sample ID : 04-MW-03-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC492092613-14	08/14/92	25 August	27 Septe
Sample ID : 04-MW-04-02 Normal						
SW6010 - Metals	DIPSSA00	001A	JA61_092914-001	08/19/92	9 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	001A	Z3__091309-002	08/19/92	9 Septem	13 Septe
SW7421 - Lead	DIFSSA00	001A	Z1__091417-001	08/19/92	9 Septem	14 Septe
SW7471 - Mercury	METHOD	001A	Z3__090316-002	08/19/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	001A	Z2__091409-002	08/19/92	9 Septem	14 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092012-001	08/17/92	25 August	21 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-N082719-002	08/17/92	27 August	27 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC492092612-14	08/19/92	25 Augus	27 Septe
SW8240 - Volatile Organics	NONE	001A	450392083108510	08/19/92	31 Augus	31 Augus
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192091409020	08/19/92	30 Augus	14 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	001A	LCC92090412-1	08/19/92	30 Augus	4 Septem
SW846 - Percent Moisture	NONE	001A	MSRSSN00_090592	08/19/92	5 Septem	5 Septem
Sample ID : 04-MW-04-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC492092613-14	08/19/92	25 Augus	27 Septe
Sample ID : 04-SD-01-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_100113-001	08/15/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__090916-001	08/15/92	6 Septem	9 Septem
SW7421 - Lead	DIFSSA00	000B	Z1__091308-003	08/15/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000B	Z3__090316-002	08/15/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-001	08/15/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092114-001	08/15/92	25 Augus	22 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-N082420-002	08/15/92	25 Augus	25 Augus
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092612-14	08/15/92	25 Augus	27 Septe
SW8240 - Volatile Organics	NONE	001A	450192082407320	08/15/92	24 Augus	24 Augus
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292090710580	08/15/92	26 Augus	7 Septem
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92092512-16	08/15/92	24 Augus	26 Septe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_082092	08/15/92	20 Augus	20 Augus
Sample ID : 04-SD-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092613-14	08/15/92	25 Augus	27 Septe
Sample ID : 04-SD-02-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_100113-001	08/15/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__090916-001	08/15/92	6 Septem	9 Septem
SW7421 - Lead	DIFSSA00	000B	Z1__091308-003	08/15/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000B	Z3__090316-002	08/15/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-001	08/15/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-N082420-002	08/15/92	25 Augus	25 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092114-001	08/15/92	25 Augus	22 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092612-14	08/15/92	25 Augus	27 Septe
SW8240 - Volatile Organics	NONE	001A	450192082407320	08/15/92	24 Augus	24 Augus
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292090710580	08/15/92	26 Augus	7 Septem
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92092512-16	08/15/92	24 Augus	26 Septe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_082092	08/15/92	20 Augus	20 Augus
Sample ID : 04-SD-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092613-14	08/15/92	25 Augus	27 Septe
Sample ID : 04-SD-03-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_100113-001	08/15/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090916-001	08/15/92	6 Septem	9 Septem

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW7421 - Lead	DIFSSA00	000C	Z1__091308-003	08/15/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000C	Z3__090316-002	08/15/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	000C	Z2__091308-001	08/15/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092114-001	08/15/92	25 August	22 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-N082420-002	08/15/92	25 August	25 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC492092612-14	08/15/92	25 August	27 Septe
SW8240 - Volatile Organics	NONE	001A	450192082407320	08/15/92	24 August	24 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292090710580	08/15/92	26 August	7 Septem
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92092512-16	08/15/92	24 August	26 Septe
SW846 - Percent Moisture	NONE	000C	MSRSSN00_082092	08/15/92	20 August	20 August

Sample ID : 04-SD-03-01 CONF Normal

SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC492092613-14	08/15/92	25 August	27 Septe
---	----------	------	----------------	----------	-----------	----------

Sample ID : 04-SD-04-01 Normal

SW6010 - Metals	DIPSSA00	000C	JA61_100113-001	08/15/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090916-001	08/15/92	6 Septem	9 Septem
SW7421 - Lead	DIFSSA00	000C	Z1__091308-003	08/15/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000C	Z3__090316-002	08/15/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	000C	Z2__091308-001	08/15/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092114-001	08/15/92	25 August	22 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-N082420-002	08/15/92	25 August	25 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC492092612-14	08/15/92	25 August	27 Septe
SW8240 - Volatile Organics	NONE	001A	450192082407320	08/15/92	24 August	24 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292090710580	08/15/92	26 August	7 Septem
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92092512-16	08/15/92	24 August	26 Septe
SW846 - Percent Moisture	NONE	000C	MSRSSN00_082092	08/15/92	20 August	20 August

Sample ID : 04-SD-04-01 CONF Normal

SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC492092613-14	08/15/92	25 August	27 Septe
---	----------	------	----------------	----------	-----------	----------

Sample ID : 04-SS-01-01 Normal

SW6010 - Metals	DIPSSA00	000B	JA61_100113-001	08/15/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__090916-001	08/15/92	6 Septem	9 Septem
SW7421 - Lead	DIFSSA00	000B	Z1__091308-003	08/15/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000B	Z3__090316-002	08/15/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-001	08/15/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092114-001	08/15/92	25 August	21 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-N082420-002	08/15/92	25 August	25 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092612-14	08/15/92	25 August	27 Septe
SW8240 - Volatile Organics	NONE	001A	450192082108370	08/15/92	21 August	21 August
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292090710580	08/15/92	26 August	7 Septem
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92092512-16	08/15/92	24 August	26 Septe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_082092	08/15/92	20 August	20 August

TABLE A-4

## DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 04-SS-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092613-14	08/15/92	25 August	27 Septe
Sample ID : 04-SS-02-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_100113-001	08/15/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__090916-001	08/15/92	6 Septem	9 Septem
SW7421 - Lead	DIFSSA00	000B	Z1__091308-003	08/15/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000B	Z3__090316-002	08/15/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-001	08/15/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092114-001	08/15/92	25 August	22 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-N082420-002	08/15/92	25 August	25 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092612-14	08/15/92	25 August	27 Septe
SW8240 - Volatile Organics	NONE	001A	450192082407320	08/15/92	24 August	24 August
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292090710580	08/15/92	26 August	7 Septem
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92092512-16	08/15/92	24 August	26 Septe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_082092	08/15/92	20 August	20 August
Sample ID : 04-SS-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092613-14	08/15/92	25 August	27 Septe
Sample ID : 04-SS-02-01 MS Matrix Spike						
SW8240 - Volatile Organics	NONE	001A	450192082407320	08/15/92	24 August	24 August
Sample ID : 04-SS-02-01 MSD Matrix Spike						
SW8240 - Volatile Organics	NONE	001A	450192082407320	08/15/92	24 August	24 August
Sample ID : 04-SS-03-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_100113-001	08/15/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__090916-001	08/15/92	6 Septem	9 Septem
SW7421 - Lead	DIFSSA00	000B	Z1__091308-003	08/15/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000B	Z3__090316-002	08/15/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-001	08/15/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-N082420-002	08/15/92	25 August	25 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092114-001	08/15/92	25 August	22 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092612-14	08/15/92	25 August	27 Septe
SW8240 - Volatile Organics	NONE	001A	450192082407320	08/15/92	24 August	24 August
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292090710580	08/15/92	26 August	7 Septem
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92092512-16	08/15/92	24 August	26 Septe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_082092	08/15/92	20 August	20 August
Sample ID : 04-SS-03-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC492092613-14	08/15/92	25 August	27 Septe

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY
Sample ID : 05-DS-01 Field Duplicate						
SW6010 - Metals	DIPSSA00	000I	JA61_082915-020	07/20/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000I	Z3_082813-002	07/20/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000I	Z1_082708-001	07/20/92	25 August	27 August
SW7471 - Mercury	METHOD	000I	D2_081713-001	07/20/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000I	Z2_082808-001	07/20/92	25 August	28 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090119-001	07/20/92	29 July	2 September
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001H	TP-L080122-002	07/20/92	1 August	1 August
SW8240 - Volatile Organics	NONE	001H	450192073007290	07/20/92	30 July	30 July
SW8270 - Semivolatile Organics	354SSN00	000I	MSD192081208590	07/20/92	30 July	12 August
SW846 - Percent Moisture	NONE	000I	MSRSSN00_072792	07/20/92	27 July	27 July
Sample ID : 05-DS-01 MS Matrix Spike						
SW6010 - Metals	DIPSSA00	000I	JA61_082915-020	07/20/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000I	Z3_082813-002	07/20/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000I	Z1_082708-001	07/20/92	25 August	27 August
SW7471 - Mercury	METHOD	000I	D2_081713-001	07/20/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000I	Z2_082808-001	07/20/92	25 August	28 August
SW8015 - Nonhalogenated Volatile Organics	NONE	000I	TP-L080122-002	07/20/92	1 August	1 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090119-001	07/20/92	29 July	2 September
SW8240 - Volatile Organics	NONE	001H	450192073007290	07/20/92	30 July	30 July
SW8270 - Semivolatile Organics	354SSN00	000I	MSD192081208590	07/20/92	30 July	12 August
Sample ID : 05-DS-01 MSD Matrix Spike						
SW6010 - Metals	DIPSSA00	000I	JA61_082915-020	07/20/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000I	Z3_082813-002	07/20/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000I	Z1_082708-001	07/20/92	25 August	27 August
SW7471 - Mercury	METHOD	000I	D2_081713-001	07/20/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000I	Z2_082808-001	07/20/92	25 August	28 August
SW8015 - Nonhalogenated Volatile Organics	NONE	000I	TP-L080122-002	07/20/92	1 August	1 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090119-001	07/20/92	29 July	2 September
SW8240 - Volatile Organics	NONE	001H	450192073007290	07/20/92	30 July	30 July
SW8270 - Semivolatile Organics	354SSN00	000I	MSD192081208590	07/20/92	30 July	12 August
Sample ID : 05-DS-02 Field Duplicate						
SW6010 - Metals	DIPSSA00	000I	JA61_082915-020	07/22/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000I	Z3_082813-002	07/22/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000I	Z1_082708-001	07/22/92	25 August	27 August
SW7471 - Mercury	METHOD	000I	D2_081713-001	07/22/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000I	Z2_082808-001	07/22/92	25 August	28 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001H	TP-L080519-002	07/22/92	5 August	5 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090119-001	07/22/92	29 July	2 September
SW8240 - Volatile Organics	NONE	001H	450192072907480	07/22/92	29 July	29 July
SW8270 - Semivolatile Organics	354SSN00	000I	MSD192081308540	07/22/92	30 July	13 August
SW846 - Percent Moisture	NONE	000I	MSRSSN00_072792	07/22/92	27 July	27 July



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 05-DS-03 Field Duplicate						
SW6010 - Metals	DIPSSA00	000D	JA61_092410-001	08/02/92	31 August	24 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__090214-001	08/02/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	000D	Z1__090908-001	08/02/92	31 August	9 Septem
SW7471 - Mercury	METHOD	000D	Z3__082017-005	08/02/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000D	Z3__090310-002	08/02/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-L090824-001	08/02/92	10 August	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081319-002	08/02/92	14 August	14 August
SW8240 - Volatile Organics	NONE	001B	450392081107410	08/02/92	11 August	11 August
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292082408180	08/02/92	10 August	24 August
SW846 - Percent Moisture	NONE	000D	MSRSSN00_081792	08/02/92	17 August	17 August
Sample ID : 05-DS-03 MS Matrix Spike						
SW7471 - Mercury	METHOD	000D	Z3__082017-005	08/02/92	20 August	20 August
Sample ID : 05-DS-03 MSD Matrix Spike						
SW7471 - Mercury	METHOD	000D	Z3__082017-005	08/02/92	20 August	20 August
Sample ID : 05-DS-04 Field Duplicate						
SW6010 - Metals	DIPSSA00	000C	JA61_091215-002	08/01/92	31 August	12 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090208-002	08/01/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	000C	Z2__090309-003	08/01/92	31 August	3 Septem
SW7471 - Mercury	METHOD	000C	Z3__082017-004	08/01/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000C	Z3__090310-001	08/01/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L081206-002	08/01/92	12 August	12 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M090717-001	08/01/92	10 August	7 Septem
SW8240 - Volatile Organics	NONE	001A	450392081209230	08/01/92	12 August	12 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292082210460	08/01/92	10 August	22 August
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081792	08/01/92	17 August	17 August
Sample ID : 05-MW-01-02 Normal						
SW6010 - Metals	DIPSSA00	000J	JA61_082915-020	07/21/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000J	Z3__082813-002	07/21/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000J	Z1__082708-001	07/21/92	25 August	27 August
SW7471 - Mercury	METHOD	000J	D2__081713-001	07/21/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000J	Z2__082808-001	07/21/92	25 August	28 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090119-001	07/21/92	29 July	2 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001H	TP-L080318-002	07/21/92	4 August	4 August
SW8240 - Volatile Organics	NONE	001H	450492073111130	07/21/92	31 July	31 July
SW8270 - Semivolatile Organics	354SSN00	000J	MSD192081308540	07/21/92	30 July	13 August
SW846 - Percent Moisture	NONE	000J	MSRSSN00_072792	07/21/92	27 July	27 July
Sample ID : 05-MW-02-02 Normal						
SW6010 - Metals	DIPSSA00	001B	JA61_092909-002	07/23/92	28 August	29 Septe
SW7060 - Arsenic	DIPSSA00	001B	Z3__082813-001	07/23/92	28 August	28 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW7421 - Lead	DIFSSA00	001B	Z1__082817-001	07/23/92	26 Augus	28 Augus
SW7471 - Mercury	METHOD	001B	D2__081713-001	07/23/92	17 Augus	17 Augus
SW7740 - Selenium	DIFSSA00	001B	Z2__083110-001	07/23/92	26 Augus	31 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M090217-001	07/23/92	29 July	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L080622-002	07/23/92	6 August	6 August
SW8240 - Volatile Organics	NONE	001B	450392080507550	07/23/92	5 August	5 August
SW8270 - Semivolatile Organics	354SSN00	001B	MSD292081108220	07/23/92	2 August	11 Augus
SW846 - Percent Moisture	NONE	001B	MSRSSN00_081692	07/23/92	16 Augus	16 Augus

Sample ID : 05-MW-03-02 Normal

SW6010 - Metals	DIPSSA00	000I	JA61_082915-020	07/22/92	25 Augus	29 Augus
SW7060 - Arsenic	DIPSSA00	000I	Z3__082813-002	07/22/92	25 Augus	28 Augus
SW7421 - Lead	DIFSSA00	000I	Z1__082708-001	07/22/92	25 Augus	27 Augus
SW7471 - Mercury	METHOD	000I	D2__081713-001	07/22/92	17 Augus	17 Augus
SW7740 - Selenium	DIFSSA00	000I	Z2__082808-001	07/22/92	25 Augus	28 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001H	TP-L080519-002	07/22/92	5 August	5 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090119-001	07/22/92	29 July	2 Septem
SW8240 - Volatile Organics	NONE	001H	450492073111130	07/22/92	31 July	31 July
SW8270 - Semivolatile Organics	354SSN00	000I	MSD192081308540	07/22/92	30 July	13 Augus
SW846 - Percent Moisture	NONE	000I	MSRSSN00_072792	07/22/92	27 July	27 July

Sample ID : 05-MW-04-02 Normal

SW6010 - Metals	DIPSSA00	000A	JA61_092909-001	08/09/92	2 Septem	29 Septe
SW6010 - Metals	DIPSSA00	000A	JA61_091215-002	08/09/92	31 Augus	12 Septe
SW7060 - Arsenic	DIPSSA00	000A	Z3__090208-001	08/09/92	31 Augus	2 Septem
SW7060 - Arsenic	DIPSSA00	000A	Z3__090813-001	08/09/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000A	Z2__090309-002	08/09/92	31 Augus	3 Septem
SW7421 - Lead	DIFSSA00	000A	Z1__091108-001	08/09/92	2 Septem	11 Septe
SW7471 - Mercury	METHOD	000A	Z3__082518-003	08/09/92	25 Augus	25 Augus
SW7471 - Mercury	METHOD	000A	Z3__082017-004	08/09/92	20 Augus	20 Augus
SW7740 - Selenium	DIFSSA00	000A	Z3__090310-001	08/09/92	31 Augus	3 Septem
SW7740 - Selenium	DIFSSA00	000A	Z2__091113-001	08/09/92	2 Septem	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	211B	TP-L081206-002	08/09/92	12 Augus	12 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	211B	TP-M091915-001	08/09/92	18 Augus	20 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	211B	TP-M090617-001	08/09/92	10 Augus	7 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	211B	TP-L082011-002	08/09/92	20 Augus	20 Septe
SW8240 - Volatile Organics	NONE	211B	450492081310530	08/09/92	13 Augus	13 Augus
SW8240 - Volatile Organics	NONE	211B	450292081907450	08/09/92	19 Augus	19 Augus
SW8270 - Semivolatile Organics	354SSN00	000A	MSD192091008420	08/09/92	19 Augus	10 Septe
SW8270 - Semivolatile Organics	354SSN00	000A	MSD292082210460	08/09/92	10 Augus	22 Augus
SW846 - Percent Moisture	NONE	000A	MSRSSN00_081892	08/09/92	18 Augus	18 Augus
SW846 - Percent Moisture	NONE	000A	MSRSSN00_081792	08/09/92	17 Augus	17 Augus

Sample ID : 05-MW-04-02 MS Matrix Spike

SW6010 - Metals	DIPSSA00	000A	JA61_091215-002	08/09/92	31 Augus	12 Septe
SW7060 - Arsenic	DIPSSA00	000A	Z3__090208-001	08/09/92	31 Augus	2 Septem
SW7421 - Lead	DIFSSA00	000A	Z2__090309-002	08/09/92	31 Augus	3 Septe
SW7471 - Mercury	METHOD	000A	Z3__082017-004	08/09/92	20 Augus	20 Augus
SW7740 - Selenium	DIFSSA00	000A	Z3__090310-001	08/09/92	31 Augus	3 Septem



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	211B	TP-M090617-001	08/09/92	10 August	7 Septem
SW8240 - Volatile Organics	NONE	211B	450492081310530	08/09/92	13 August	13 August
SW8270 - Semivolatile Organics	354SSN00	000A	MSD292082210460	08/09/92	10 August	22 August
Sample ID : 05-MW-04-02 MSD Matrix Spike						
SW6010 - Metals	DIPSSA00	000A	JA61_091215-002	08/09/92	31 August	12 Septe
SW7060 - Arsenic	DIPSSA00	000A	Z3__090208-001	08/09/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	000A	Z2__090309-002	08/09/92	31 August	3 Septem
SW7471 - Mercury	METHOD	000A	Z3__082017-004	08/09/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000A	Z3__090310-001	08/09/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	211B	TP-M090617-001	08/09/92	10 August	7 Septem
SW8240 - Volatile Organics	NONE	211B	450492081310530	08/09/92	13 August	13 August
SW8270 - Semivolatile Organics	354SSN00	000A	MSD292082210460	08/09/92	10 August	22 August
Sample ID : 05-MW-05-02 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_091215-002	07/31/92	31 August	12 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090208-001	07/31/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	000C	Z2__090309-002	07/31/92	31 August	3 Septem
SW7471 - Mercury	METHOD	000C	Z3__082017-004	07/31/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000C	Z3__090310-001	07/31/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M090617-001	07/31/92	10 August	7 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L081206-002	07/31/92	12 August	12 August
SW8240 - Volatile Organics	NONE	001A	450492081310530	07/31/92	14 August	14 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292082210460	07/31/92	10 August	22 August
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081792	07/31/92	17 August	17 August
Sample ID : 05-MW-06-02 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_091215-002	08/01/92	31 August	12 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090208-001	08/01/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	000C	Z2__090309-002	08/01/92	31 August	3 Septem
SW7471 - Mercury	METHOD	000C	Z3__082017-004	08/01/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000C	Z3__090310-001	08/01/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L080723-002	08/01/92	7 August	7 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M090717-001	08/01/92	10 August	7 Septem
SW8240 - Volatile Organics	NONE	001A	450392081209230	08/01/92	12 August	12 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292082210460	08/01/92	10 August	22 August
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081792	08/01/92	17 August	17 August
Sample ID : 05-SB-01-01 Normal						
SW6010 - Metals	DIPSSA00	000I	JA61_082915-020	07/20/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000I	Z3__082813-002	07/20/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000I	Z1__082708-001	07/20/92	25 August	27 August
SW7471 - Mercury	METHOD	000I	D2__081713-001	07/20/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000I	Z2__082808-001	07/20/92	25 August	28 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090217-001	07/20/92	29 July	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001H	TP-L080318-002	07/20/92	3 August	3 August
SW8240 - Volatile Organics	NONE	001H	450492073111130	07/20/92	31 July	31 July
SW8270 - Semivolatile Organics	354SSN00	000I	MSD192081208590	07/20/92	30 July	12 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYSED
SW846 - Percent Moisture	NONE	000I	MSRSSN00_072792	07/20/92	27 July	27 July
Sample ID : 05-SB-01-02 Normal						
SW6010 - Metals	DIPSSA00	000I	JA61_082915-020	07/20/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000I	Z3__082813-002	07/20/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000I	Z1__082708-001	07/20/92	25 August	27 August
SW7471 - Mercury	METHOD	000I	D2__081713-001	07/20/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000I	Z2__082808-001	07/20/92	25 August	28 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001H	TP-L080318-002	07/20/92	3 August	3 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090217-001	07/20/92	29 July	3 Septem
SW8240 - Volatile Organics	NONE	001H	450192072907480	07/20/92	30 July	30 July
SW8270 - Semivolatile Organics	354SSN00	000I	MSD192081208590	07/20/92	30 July	12 August
SW846 - Percent Moisture	NONE	000I	MSRSSN00_072792	07/20/92	27 July	27 July
Sample ID : 05-SB-01-03 Normal						
SW6010 - Metals	DIPSSA00	000I	JA61_082915-020	07/20/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000I	Z3__082813-002	07/20/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000I	Z1__082708-001	07/20/92	25 August	27 August
SW7471 - Mercury	METHOD	000I	D2__081713-001	07/20/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000I	Z2__082808-001	07/20/92	25 August	28 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090119-001	07/20/92	29 July	2 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001H	TP-L080318-002	07/20/92	3 August	3 August
SW8240 - Volatile Organics	NONE	001H	450192072907480	07/20/92	30 July	30 July
SW8270 - Semivolatile Organics	354SSN00	000I	MSD192081208590	07/20/92	30 July	12 August
SW846 - Percent Moisture	NONE	000I	MSRSSN00_072792	07/20/92	27 July	27 July
Sample ID : 05-SB-02-01 Normal						
SW6010 - Metals	DIPSSA00	000J	JA61_082915-020	07/21/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000J	Z3__082813-002	07/21/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000J	Z1__082708-001	07/21/92	25 August	27 August
SW7471 - Mercury	METHOD	000J	D2__081713-001	07/21/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000J	Z2__082808-001	07/21/92	25 August	28 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090217-001	07/21/92	29 July	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001H	TP-L080318-002	07/21/92	4 August	4 August
SW8240 - Volatile Organics	NONE	001H	450292080407190	07/21/92	4 August	4 August
SW8270 - Semivolatile Organics	354SSN00	000J	MSD192081308540	07/21/92	30 July	13 August
SW846 - Percent Moisture	NONE	000J	MSRSSN00_072792	07/21/92	27 July	27 July
Sample ID : 05-SB-02-02 Normal						
SW6010 - Metals	DIPSSA00	000J	JA61_082915-020	07/21/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000J	Z3__082813-002	07/21/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000J	Z1__082708-001	07/21/92	25 August	27 August
SW7471 - Mercury	METHOD	000J	D2__081713-001	07/21/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000J	Z2__082808-001	07/21/92	25 August	28 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001H	TP-L080318-002	07/21/92	4 August	4 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090217-001	07/21/92	29 July	3 Septem
SW8240 - Volatile Organics	NONE	001H	450292080407190	07/21/92	4 August	4 August
SW8270 - Semivolatile Organics	354SSN00	000J	MSD192081308540	07/21/92	30 July	13 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW846 - Percent Moisture	NONE	000J	MSRSSN00_072792	07/21/92	27 July	27 July
Sample ID : 05-SB-02-03 Normal						
SW6010 - Metals	DIPSSA00	000J	JA61_082915-020	07/21/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000J	Z3__082813-002	07/21/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000J	Z1__082708-003	07/21/92	25 August	27 August
SW7471 - Mercury	METHOD	000J	D2__081713-001	07/21/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000J	Z2__082808-001	07/21/92	25 August	28 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001H	TP-L080318-002	07/21/92	4 August	4 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090217-001	07/21/92	29 July	3 Septem
SW8240 - Volatile Organics	NONE	001H	450292080407190	07/21/92	4 August	4 August
SW8270 - Semivolatile Organics	354SSN00	000J	MSD192081208590	07/21/92	30 July	12 August
SW846 - Percent Moisture	NONE	000J	MSRSSN00_072792	07/21/92	27 July	27 July
Sample ID : 05-SB-02-04 Normal						
SW6010 - Metals	DIPSSA00	000J	JA61_082915-020	07/21/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000J	Z3__082813-002	07/21/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000J	Z1__082708-001	07/21/92	25 August	27 August
SW7471 - Mercury	METHOD	000J	D2__081713-001	07/21/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000J	Z2__082808-001	07/21/92	25 August	28 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090217-001	07/21/92	29 July	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001H	TP-L080318-002	07/21/92	4 August	4 August
SW8240 - Volatile Organics	NONE	001H	450292080407190	07/21/92	4 August	4 August
SW8270 - Semivolatile Organics	354SSN00	000J	MSD192081308540	07/21/92	30 July	13 August
SW846 - Percent Moisture	NONE	000J	MSRSSN00_072792	07/21/92	27 July	27 July
Sample ID : 05-SB-03-01 Normal						
SW6010 - Metals	DIPSSA00	000J	JA61_082915-020	07/20/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000J	Z3__082813-002	07/20/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000J	Z1__082708-001	07/20/92	25 August	27 August
SW7471 - Mercury	METHOD	000J	D2__081713-001	07/20/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000J	Z2__082808-001	07/20/92	25 August	28 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090119-001	07/20/92	29 July	2 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001H	TP-L080122-002	07/20/92	1 August	1 August
SW8240 - Volatile Organics	NONE	001H	450192072907480	07/20/92	30 July	30 July
SW8270 - Semivolatile Organics	354SSN00	000J	MSD192081308540	07/20/92	30 July	13 August
SW846 - Percent Moisture	NONE	000J	MSRSSN00_072792	07/20/92	27 July	27 July
Sample ID : 05-SB-03-02 Normal						
SW6010 - Metals	DIPSSA00	000J	JA61_082915-020	07/20/92	25 August	29 August
SW7060 - Arsenic	DIPSSA00	000J	Z3__082813-002	07/20/92	25 August	28 August
SW7421 - Lead	DIFSSA00	000J	Z1__082708-001	07/20/92	25 August	27 August
SW7471 - Mercury	METHOD	000J	D2__081713-001	07/20/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000J	Z2__082808-001	07/20/92	25 August	28 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001H	TP-L080122-002	07/20/92	1 August	1 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001H	TP-M090119-001	07/20/92	29 July	2 Septem
SW8240 - Volatile Organics	NONE	001H	450192073007290	07/20/92	30 July	30 July
SW8270 - Semivolatile Organics	354SSN00	000J	MSD192081308540	07/20/92	30 July	13 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYSED
SW846 - Percent Moisture	NONE	000J	MSRSSN00_072792	07/20/92	27 July	27 July
Sample ID : 05-SD-01-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_091215-002	08/01/92	31 August	12 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090208-002	08/01/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	000C	Z2__090309-002	08/01/92	31 August	3 Septem
SW7471 - Mercury	METHOD	000C	Z3__082017-004	08/01/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000C	Z3__090310-001	08/01/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L081206-002	08/01/92	12 August	12 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M090717-001	08/01/92	10 August	7 Septem
SW8240 - Volatile Organics	NONE	001A	450392081209230	08/01/92	12 August	12 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292082210460	08/01/92	10 August	22 August
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081792	08/01/92	17 August	17 August
Sample ID : 05-SD-02-01 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_092410-001	08/02/92	31 August	24 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__090214-001	08/02/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	000D	Z1__090908-001	08/02/92	31 August	9 Septem
SW7471 - Mercury	METHOD	000D	Z3__082017-005	08/02/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000D	Z3__090310-001	08/02/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-L090824-001	08/02/92	10 August	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081319-002	08/02/92	14 August	14 Aug
SW8240 - Volatile Organics	NONE	001B	450392081209230	08/02/92	12 August	12 Aug
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292082408180	08/02/92	10 August	24 August
SW846 - Percent Moisture	NONE	000D	MSRSSN00_081792	08/02/92	17 August	17 August
Sample ID : 05-SS-01-01 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_092909-002	07/24/92	28 August	29 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__082813-001	07/24/92	28 August	28 August
SW7421 - Lead	DIFSSA00	000D	Z1__082817-001	07/24/92	26 August	28 August
SW7471 - Mercury	METHOD	000D	D2__081713-001	07/24/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000D	Z2__083110-001	07/24/92	26 August	31 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L080622-002	07/24/92	6 August	6 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M090217-001	07/24/92	29 July	3 Septem
SW8240 - Volatile Organics	NONE	001B	450392080607230	07/24/92	6 August	6 August
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292081108220	07/24/92	2 August	11 August
SW846 - Percent Moisture	NONE	000D	MSRSSN00_081692	07/24/92	16 August	16 August
Sample ID : 05-SS-02-01 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_092909-002	07/24/92	28 August	29 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__082813-001	07/24/92	28 August	28 August
SW7421 - Lead	DIFSSA00	000D	Z1__082817-001	07/24/92	26 August	28 August
SW7471 - Mercury	METHOD	000D	D2__081713-001	07/24/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000D	Z2__083110-001	07/24/92	26 August	31 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L080622-002	07/24/92	6 August	6 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M090217-001	07/24/92	29 July	3 Septe
SW8240 - Volatile Organics	NONE	001B	450392080607230	07/24/92	6 August	6 August
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292081108220	07/24/92	2 August	11 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW846 - Percent Moisture	NONE	000D	MSRSSN00_081692	07/24/92	16 August	16 August
Sample ID : 05-SS-03-01 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_092909-002	07/24/92	28 August	29 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__082808-001	07/24/92	28 August	28 August
SW7421 - Lead	DIFSSA00	000D	Z1__082817-001	07/24/92	26 August	28 August
SW7471 - Mercury	METHOD	000D	D2__081713-001	07/24/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000D	Z2__083110-001	07/24/92	26 August	31 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L080622-002	07/24/92	6 August	6 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M090217-001	07/24/92	29 July	3 Septem
SW8240 - Volatile Organics	NONE	001B	450392080607230	07/24/92	6 August	6 August
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292081108220	07/24/92	2 August	11 August
SW846 - Percent Moisture	NONE	000D	MSRSSN00_081692	07/24/92	16 August	16 August
Sample ID : 05-SS-04-01 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_092909-002	07/24/92	28 August	29 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__082813-001	07/24/92	28 August	28 August
SW7421 - Lead	DIFSSA00	000D	Z1__082817-001	07/24/92	26 August	28 August
SW7471 - Mercury	METHOD	000D	D2__081713-001	07/24/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000D	Z2__083110-001	07/24/92	26 August	31 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L080622-002	07/24/92	6 August	6 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M090217-001	07/24/92	29 July	3 Septem
SW8240 - Volatile Organics	NONE	001B	450392080607230	07/24/92	6 August	6 August
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292081108220	07/24/92	2 August	11 August
SW846 - Percent Moisture	NONE	000D	MSRSSN00_081692	07/24/92	16 August	16 August
Sample ID : 05-SS-05-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_091215-002	08/01/92	31 August	12 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090208-001	08/01/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	000C	Z2__090309-002	08/01/92	31 August	3 Septem
SW7471 - Mercury	METHOD	000C	Z3__082017-004	08/01/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000C	Z3__090310-001	08/01/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L081206-002	08/01/92	12 August	12 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M090717-001	08/01/92	10 August	7 Septem
SW8240 - Volatile Organics	NONE	001A	450392081209230	08/01/92	12 August	12 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292082210460	08/01/92	10 August	22 August
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081792	08/01/92	17 August	17 August
Sample ID : 05-SS-05-01 MS Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	000C	TP-L081206-002	08/01/92	12 August	12 August
Sample ID : 05-SS-05-01 MSD Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	000C	TP-L081206-002	08/01/92	12 August	12 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY
Sample ID : 05-SS-06-01 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_092909-002	07/24/92	28 August	29 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__082808-001	07/24/92	28 August	28 August
SW7421 - Lead	DIFSSA00	000D	Z1__082817-001	07/24/92	26 August	28 August
SW7471 - Mercury	METHOD	000D	D2__081713-001	07/24/92	17 August	17 August
SW7740 - Selenium	DIFSSA00	000D	Z2__083110-001	07/24/92	26 August	31 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L080622-002	07/24/92	6 August	6 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M090217-001	07/24/92	29 July	3 Septem
SW8240 - Volatile Organics	NONE	001B	450392080607230	07/24/92	6 August	6 August
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292081108220	07/24/92	2 August	11 August
SW846 - Percent Moisture	NONE	000D	MSRSSN00_081692	07/24/92	16 August	16 August
Sample ID : 05-SS-06-01 MS Matrix Spike						
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292081108220	07/24/92	2 August	11 August
Sample ID : 05-SS-06-01 MSD Matrix Spike						
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292081108220	07/24/92	2 August	11 August
Sample ID : 05-SS-07-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_091215-002	08/01/92	31 August	12 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090208-002	08/01/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	000C	Z2__090309-002	08/01/92	31 August	3 Septem
SW7471 - Mercury	METHOD	000C	Z3__082017-004	08/01/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000C	Z3__090310-001	08/01/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L081206-002	08/01/92	12 August	12 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M090717-001	08/01/92	10 August	7 Septem
SW8240 - Volatile Organics	NONE	001A	450492081410380	08/01/92	14 August	14 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292082210460	08/01/92	10 August	22 August
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081792	08/01/92	17 August	17 August
Sample ID : 05-SS-08-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_091215-002	08/01/92	31 August	12 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090208-001	08/01/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	000C	Z2__090309-002	08/01/92	31 August	3 Septem
SW7471 - Mercury	METHOD	000C	Z3__082017-004	08/01/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000C	Z3__090310-001	08/01/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L080723-002	08/01/92	7 August	7 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M090717-001	08/01/92	10 August	7 Septem
SW8240 - Volatile Organics	NONE	001A	450392081209230	08/01/92	12 August	12 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292082210460	08/01/92	10 August	22 August
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081792	08/01/92	17 August	17 August
Sample ID : 05-SS-09-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_091215-002	08/01/92	31 August	12 Septe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090208-001	08/01/92	31 August	2 Septem



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW7421 - Lead	DIFSSA00	000C	Z2__090309-002	08/01/92	31 August	3 Septem
SW7471 - Mercury	METHOD	000C	Z3__082017-004	08/01/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000C	Z3__090310-001	08/01/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M090617-001	08/01/92	10 August	7 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L081206-002	08/01/92	12 August	12 August
SW8240 - Volatile Organics	NONE	001A	450492081310530	08/01/92	13 August	13 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292082210460	08/01/92	10 August	22 August
SW846 - Percent Moisture	NONE	000C	MSRSSN00_081792	08/01/92	17 August	17 August
Sample ID : 05-SS-10-01 Normal						
SW6010 - Metals	DIPSSA00	001A	JA61_091215-002	08/02/92	31 August	12 Septe
SW7060 - Arsenic	DIPSSA00	001A	Z3__090208-002	08/02/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	001A	Z2__090309-003	08/02/92	31 August	3 Septem
SW7471 - Mercury	METHOD	001A	Z3__082017-004	08/02/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	001A	Z3__090310-001	08/02/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081206-002	08/02/92	12 August	12 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M090717-001	08/02/92	10 August	7 Septem
SW8240 - Volatile Organics	NONE	001B	450392081209230	08/02/92	12 August	12 August
SW8270 - Semivolatile Organics	354SSN00	001A	MSD292082210460	08/02/92	10 August	22 August
SW846 - Percent Moisture	NONE	001A	MSRSSN00_081792	08/02/92	17 August	17 August
Sample ID : 05-SS-11-01 Normal						
SW6010 - Metals	DIPSSA00	001A	JA61_091215-002	08/02/92	31 August	12 Septe
SW7060 - Arsenic	DIPSSA00	001A	Z3__090214-001	08/02/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	001A	Z2__090309-003	08/02/92	31 August	3 Septem
SW7471 - Mercury	METHOD	001A	Z3__082017-004	08/02/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	001A	Z3__090310-001	08/02/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081206-002	08/02/92	12 August	12 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M090717-001	08/02/92	10 August	7 Septem
SW8240 - Volatile Organics	NONE	001B	450492081310530	08/02/92	13 August	13 August
SW8270 - Semivolatile Organics	354SSN00	001A	MSD292082210460	08/02/92	10 August	22 August
SW846 - Percent Moisture	NONE	001A	MSRSSN00_081792	08/02/92	17 August	17 August
Sample ID : 05-SS-12-01 Normal						
SW6010 - Metals	DIPSSA00	000E	JA61_092410-001	08/05/92	31 August	24 Septe
SW6010 - Metals	DIPSSA00	000E	JA61_092716-001	08/05/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000E	Z3__090214-001	08/05/92	31 August	2 Septem
SW7060 - Arsenic	DIPSSA00	000E	Z3__090813-002	08/05/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000E	Z1__090908-001	08/05/92	31 August	9 Septem
SW7421 - Lead	DIFSSA00	000E	Z1__091417-002	08/05/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000E	Z3__082017-005	08/05/92	20 August	20 August
SW7471 - Mercury	METHOD	000E	D2__082413-001	08/05/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000E	Z2__091108-001	08/05/92	2 Septem	11 Septe
SW7740 - Selenium	DIFSSA00	000E	Z3__090310-002	08/05/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M090921-001	08/02/92	10 August	10 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081319-002	08/02/92	14 August	14 August
SW8240 - Volatile Organics	NONE	001B	450392081107410	08/02/92	11 August	11 August
SW8270 - Semivolatile Organics	354SSN00	000E	MSD192083108300	08/05/92	11 August	31 August
SW846 - Percent Moisture	NONE	000E	MSRSSN00_081792	08/05/92	17 August	17 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY
Sample ID : 05-SS-13-01 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_092410-001	08/02/92	31 August	24 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__090214-001	08/02/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	000D	Z1__090908-001	08/02/92	31 August	9 Septem
SW7471 - Mercury	METHOD	000D	Z3__082017-005	08/02/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000D	Z3__090310-002	08/02/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081319-002	08/02/92	14 August	14 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-L090824-001	08/02/92	10 August	9 Septem
SW8240 - Volatile Organics	NONE	001B	450392081107410	08/02/92	11 August	11 August
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292082408180	08/02/92	10 August	24 August
SW846 - Percent Moisture	NONE	000D	MSRSSN00_081792	08/02/92	17 August	17 August
Sample ID : 05-SS-14-01 Normal						
SW6010 - Metals	DIPSSA00	001A	JA61_091215-002	08/02/92	31 August	12 Septe
SW7060 - Arsenic	DIPSSA00	001A	Z3__090214-001	08/02/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	001A	Z2__090309-003	08/02/92	31 August	3 Septem
SW7471 - Mercury	METHOD	001A	Z3__082017-004	08/02/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	001A	Z3__090310-001	08/02/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M090717-001	08/02/92	10 August	7 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081206-002	08/02/92	12 August	12 August
SW8240 - Volatile Organics	NONE	001B	450392081107410	08/02/92	12 August	12 August
SW8270 - Semivolatile Organics	354SSN00	001A	MSD292082210460	08/02/92	10 August	22 August
SW846 - Percent Moisture	NONE	001A	MSRSSN00_081792	08/02/92	17 August	17 August
Sample ID : 05-SS-15-01 Normal						
SW6010 - Metals	DIPSSA00	000E	JA61_092716-001	08/05/92	2 Septem	27 Septe
SW6010 - Metals	DIPSSA00	000E	JA61_092410-001	08/05/92	31 August	24 Septe
SW7060 - Arsenic	DIPSSA00	000E	Z3__090214-001	08/05/92	31 August	2 Septem
SW7060 - Arsenic	DIPSSA00	000E	Z3__090813-002	08/05/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000E	Z1__091417-002	08/05/92	2 Septem	14 Septe
SW7421 - Lead	DIFSSA00	000E	Z1__090908-001	08/05/92	31 August	9 Septem
SW7471 - Mercury	METHOD	000E	D2__082413-001	08/05/92	24 August	24 August
SW7471 - Mercury	METHOD	000E	Z3__082017-005	08/05/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000E	Z2__091108-001	08/05/92	2 Septem	11 Septe
SW7740 - Selenium	DIFSSA00	000E	Z3__090310-002	08/05/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M091116-001	08/02/92	10 August	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081319-002	08/02/92	14 August	14 August
SW8240 - Volatile Organics	NONE	001B	450192080707000	08/02/92	7 August	7 August
SW8270 - Semivolatile Organics	354SSN00	000E	MSD192083108300	08/05/92	11 August	1 Septem
SW846 - Percent Moisture	NONE	000E	MSRSSN00_081792	08/05/92	17 August	17 August
Sample ID : 05-SS-15-01 MS Matrix Spike						
SW8240 - Volatile Organics	NONE	001B	450192080707000	08/02/92	7 August	7 August



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 05-SS-15-01 MSD Matrix Spike						
SW8240 - Volatile Organics	NONE	001B	450192080707000	08/02/92	7 August	7 August
Sample ID : 06-DS-01 Field Duplicate						
SW6010 - Metals	DIPSSA00	000E	JA61_083109-001	07/14/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000E	Z3__082309-003	07/14/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000E	Z1__082008-002	07/14/92	15 August	20 August
SW7471 - Mercury	METHOD	000E	Z3__080618-004	07/14/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000E	Z1__082513-001	07/14/92	15 August	25 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081814-001	07/14/92	26 July	19 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001C	TP-L072801-002	07/14/92	28 July	28 July
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC892082413-12	07/14/92	25 July	26 August
SW8240 - Volatile Organics	NONE	001C	450192072609340	07/14/92	27 July	27 July
SW8270 - Semivolatile Organics	354SSN00	000E	MSD292080508200	07/14/92	25 July	5 August
SW846 - Percent Moisture	NONE	000E	MSRSSN00_072492	07/14/92	24 July	24 July
Sample ID : 06-DS-01 CONF Field Duplicate						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC892082415-12	07/14/92	25 July	26 August
Sample ID : 06-DS-01 MS Matrix Spike						
SW6010 - Metals	DIPSSA00	000E	JA61_083109-001	07/14/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000E	Z3__082309-003	07/14/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000E	Z1__082008-002	07/14/92	15 August	20 August
SW7471 - Mercury	METHOD	000E	Z3__080618-004	07/14/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000E	Z1__082513-001	07/14/92	15 August	25 August
SW8015 - Nonhalogenated Volatile Organics	NONE	000E	TP-L072801-002	07/14/92	28 July	28 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081814-001	07/14/92	26 July	19 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC892082413-12	07/14/92	25 July	26 August
SW8240 - Volatile Organics	NONE	001C	450192072609340	07/14/92	27 July	27 July
SW8270 - Semivolatile Organics	354SSN00	000E	MSD292080508200	07/14/92	25 July	5 August
Sample ID : 06-DS-01 MS CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC892082415-12	07/14/92	25 July	26 August
Sample ID : 06-DS-01 MSD Matrix Spike						
SW6010 - Metals	DIPSSA00	000E	JA61_083109-001	07/14/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000E	Z3__082309-003	07/14/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000E	Z1__082008-002	07/14/92	15 August	20 August
SW7471 - Mercury	METHOD	000E	Z3__080618-004	07/14/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000E	Z1__082513-001	07/14/92	15 August	25 August
SW8015 - Nonhalogenated Volatile Organics	NONE	000E	TP-L072801-002	07/14/92	28 July	28 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081814-001	07/14/92	26 July	19 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC892082413-12	07/14/92	25 July	26 August
SW8240 - Volatile Organics	NONE	001C	450192072609340	07/14/92	27 July	27 July
SW8270 - Semivolatile Organics	354SSN00	000E	MSD292080508200	07/14/92	25 July	5 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY
Sample ID : 06-DS-01 MSD CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC892082415-12	07/14/92	25 July	26 August
Sample ID : 06-DS-02 Field Duplicate						
SW6010 - Metals	DIPSSA00	000G	JA61_082816-010	07/16/92	21 August	28 August
SW7060 - Arsenic	DIPSSA00	000G	Z3_082508-002	07/16/92	21 August	25 August
SW7421 - Lead	DIFSSA00	000G	Z1_082315-001	07/16/92	21 August	23 August
SW7471 - Mercury	METHOD	000G	D2_081016-001	07/16/92	10 August	10 August
SW7740 - Selenium	DIFSSA00	000G	Z1_082517-002	07/16/92	21 August	25 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001F	TP-L073008-002	07/16/92	30 July	30 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001F	TP-M083117-001	07/16/92	29 July	31 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090216-13	07/16/92	29 July	5 Septem
SW8240 - Volatile Organics	NONE	001F	450192072907480	07/16/92	29 July	29 July
SW8270 - Semivolatile Organics	354SSN00	000G	MSD292080911050	07/16/92	29 July	9 August
SW846 - Percent Moisture	NONE	000G	MSRSSN00_072492	07/16/92	24 July	24 July
Sample ID : 06-DS-02 CONF Field Duplicate						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090217-13	07/16/92	29 July	5 Septem
Sample ID : 06-DS-02 MS Matrix Spike						
SW6010 - Metals	DIPSSA00	000G	JA61_082816-010	07/16/92	21 August	28 August
SW7060 - Arsenic	DIPSSA00	000G	Z3_082508-002	07/16/92	21 August	25 August
SW7421 - Lead	DIFSSA00	000G	Z1_082315-001	07/16/92	21 August	23 August
SW7471 - Mercury	METHOD	000G	D2_081016-001	07/16/92	10 August	10 August
SW7740 - Selenium	DIFSSA00	000G	Z1_082517-002	07/16/92	21 August	25 August
SW8015 - Nonhalogenated Volatile Organics	NONE	000G	TP-L080122-002	07/16/92	30 July	30 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001F	TP-M083117-001	07/16/92	29 July	31 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090216-13	07/16/92	29 July	5 Septem
SW8240 - Volatile Organics	NONE	001F	450192072907480	07/16/92	29 July	29 July
SW8270 - Semivolatile Organics	354SSN00	000G	MSD292080911050	07/16/92	29 July	9 August
Sample ID : 06-DS-02 MS CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090217-13	07/16/92	29 July	5 Septem
Sample ID : 06-DS-02 MSD Matrix Spike						
SW6010 - Metals	DIPSSA00	000G	JA61_082816-010	07/16/92	21 August	28 August
SW7060 - Arsenic	DIPSSA00	000G	Z3_082508-002	07/16/92	21 August	25 August
SW7421 - Lead	DIFSSA00	000G	Z1_082315-001	07/16/92	21 August	23 August
SW7471 - Mercury	METHOD	000G	D2_081016-001	07/16/92	10 August	10 August
SW7740 - Selenium	DIFSSA00	000G	Z1_082517-002	07/16/92	21 August	25 August
SW8015 - Nonhalogenated Volatile Organics	NONE	000G	TP-L080122-002	07/16/92	30 July	30 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001F	TP-M083117-001	07/16/92	29 July	1 Septem
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090216-13	07/16/92	29 July	5 Septem
SW8240 - Volatile Organics	NONE	001F	450192072907480	07/16/92	29 July	29 July
SW8270 - Semivolatile Organics	354SSN00	000G	MSD292080911050	07/16/92	29 July	9 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 06-DS-02 MSD CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090217-13	07/16/92	29 July	5 Septem
Sample ID : 06-MW-01-02 Normal						
SW6010 - Metals	DIPSSA00	000G	JA61_082816-010	07/18/92	21 August	28 August
SW7060 - Arsenic	DIPSSA00	000G	Z3__082508-002	07/18/92	21 August	25 August
SW7421 - Lead	DIFSSA00	000G	Z1__082315-001	07/18/92	21 August	23 August
SW7471 - Mercury	METHOD	000G	D2__081016-001	07/18/92	10 August	10 August
SW7740 - Selenium	DIFSSA00	000G	Z1__082517-002	07/18/92	21 August	25 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001F	TP-M083117-001	07/18/92	29 July	1 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001F	TP-L072801-002	07/18/92	28 July	28 July
SW8080 - Organochlorine Pesticides and PCBs	355SSN00	000G	GC192090214-28	07/18/92	30 July	4 Septem
SW8240 - Volatile Organics	NONE	001F	450192072907480	07/18/92	29 July	29 July
SW8270 - Semivolatile Organics	354SSN00	000G	MSD292080911050	07/18/92	29 July	9 August
SW846 - Percent Moisture	NONE	000G	MSRSSN00_072492	07/18/92	24 July	24 July
Sample ID : 06-MW-01-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	355SSN00	000G	GC192090215-28	07/18/92	30 July	4 Septem
Sample ID : 06-MW-01-02 MS Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	355SSN00	000G	GC192090214-28	07/18/92	30 July	4 Septem
Sample ID : 06-MW-01-02 MS CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	355SSN00	000G	GC192090215-28	07/18/92	30 July	4 Septem
Sample ID : 06-MW-01-02 MSD Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	355SSN00	000G	GC192090214-28	07/18/92	30 July	4 Septem
Sample ID : 06-MW-01-02 MSD CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	355SSN00	000G	GC192090215-28	07/18/92	30 July	4 Septem
Sample ID : 06-MW-02-02 Normal						
SW6010 - Metals	DIPSSA00	000G	JA61_082816-010	07/17/92	21 August	28 August
SW7060 - Arsenic	DIPSSA00	000G	Z3__082508-002	07/17/92	21 August	25 August
SW7421 - Lead	DIFSSA00	000G	Z1__082315-001	07/17/92	21 August	23 August
SW7471 - Mercury	METHOD	000G	D2__081016-001	07/17/92	10 August	10 August
SW7740 - Selenium	DIFSSA00	000G	Z1__082517-002	07/17/92	21 August	25 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001F	TP-L073008-002	07/17/92	30 July	30 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001F	TP-M083117-001	07/17/92	29 July	1 Septem
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090216-13	07/17/92	29 July	5 Septem
SW8240 - Volatile Organics	NONE	001F	450192072907480	07/17/92	29 July	29 July
SW8270 - Semivolatile Organics	354SSN00	000G	MSD292081008350	07/17/92	29 July	10 August
SW846 - Percent Moisture	NONE	000G	MSRSSN00_072492	07/17/92	24 July	24 July

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY
Sample ID : 06-MW-02-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090217-13	07/17/92	29 July	5 Septem
Sample ID : 06-MW-03-02 Normal						
SW6010 - Metals	DIPSSA00	000E	JA61_083109-001	07/14/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000E	Z3__082309-003	07/14/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000E	Z1__082008-002	07/14/92	15 August	20 August
SW7471 - Mercury	METHOD	000E	Z3__080618-004	07/14/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000E	Z3__082108-002	07/14/92	15 August	21 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001C	TP-L072320-002	07/14/92	24 July	24 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081916-001	07/14/92	26 July	19 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC892082413-12	07/14/92	25 July	26 August
SW8240 - Volatile Organics	NONE	001C	450492072513560	07/14/92	26 July	26 July
SW8270 - Semivolatile Organics	354SSN00	000E	MSD292080608290	07/14/92	25 July	6 August
SW846 - Percent Moisture	NONE	000E	MSRSSN00_072492	07/14/92	24 July	24 July
Sample ID : 06-MW-03-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC892082415-12	07/14/92	25 July	26 August
Sample ID : 06-MW-04-02 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_083109-001	07/15/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000D	Z3__082309-003	07/15/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000D	Z1__082008-002	07/15/92	15 August	20 August
SW7471 - Mercury	METHOD	000D	Z3__080618-004	07/15/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000D	Z3__082108-002	07/15/92	15 August	21 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081916-001	07/15/92	26 July	19 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001C	TP-L072320-002	07/15/92	24 July	24 July
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082413-12	07/15/92	25 July	26 August
SW8240 - Volatile Organics	NONE	001C	450492072612450	07/15/92	26 July	26 July
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292080508200	07/15/92	25 July	5 August
SW846 - Percent Moisture	NONE	000D	MSRSSN00_072492	07/15/92	24 July	24 July
Sample ID : 06-MW-04-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082415-12	07/15/92	25 July	26 August
Sample ID : 06-SB-01-01 Normal						
SW6010 - Metals	DIPSSA00	000G	JA61_082816-010	07/16/92	21 August	28 August
SW7060 - Arsenic	DIPSSA00	000G	Z3__082508-002	07/16/92	21 August	25 August
SW7421 - Lead	DIFSSA00	000G	Z1__082315-001	07/16/92	21 August	23 August
SW7471 - Mercury	METHOD	000G	D2__081016-001	07/16/92	10 August	10 August
SW7740 - Selenium	DIFSSA00	000G	Z1__082517-002	07/16/92	21 August	25 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001F	TP-M083117-001	07/16/92	29 July	1 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001F	TP-L072801-002	07/16/92	28 July	28 Ju
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090216-13	07/16/92	29 July	5 Septem
SW8240 - Volatile Organics	NONE	001F	450192072907480	07/16/92	29 July	29 July

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW8270 - Semivolatile Organics	354SSN00	000G	MSD292080911050	07/16/92	29 July	9 August
SW846 - Percent Moisture	NONE	000G	MSRSSN00_072492	07/16/92	24 July	24 July
Sample ID : 06-SB-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090217-13	07/16/92	29 July	5 Septem
Sample ID : 06-SB-01-02 Normal						
SW6010 - Metals	DIPSSA00	000G	JA61_082816-010	07/16/92	21 August	28 August
SW7060 - Arsenic	DIPSSA00	000G	Z3__082508-002	07/16/92	21 August	25 August
SW7421 - Lead	DIFSSA00	000G	Z1__082315-001	07/16/92	21 August	23 August
SW7471 - Mercury	METHOD	000G	D2__081016-001	07/16/92	10 August	10 August
SW7740 - Selenium	DIFSSA00	000G	Z1__082517-002	07/16/92	21 August	25 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001F	TP-M083117-001	07/16/92	29 July	1 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001F	TP-L072801-002	07/16/92	28 July	28 July
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090216-13	07/16/92	29 July	5 Septem
SW8240 - Volatile Organics	NONE	001F	450192072907480	07/16/92	29 July	29 July
SW8270 - Semivolatile Organics	354SSN00	000G	MSD292081008350	07/16/92	29 July	10 August
SW846 - Percent Moisture	NONE	000G	MSRSSN00_072492	07/16/92	24 July	24 July
Sample ID : 06-SB-01-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090217-13	07/16/92	29 July	5 Septem
Sample ID : 06-SB-02-01 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_083109-001	07/15/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000D	Z3__082309-003	07/15/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000D	Z1__082008-002	07/15/92	15 August	20 August
SW7471 - Mercury	METHOD	000D	Z3__080618-004	07/15/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000D	Z3__082108-002	07/15/92	15 August	21 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081814-001	07/15/92	26 July	19 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001C	TP-L072320-002	07/15/92	24 July	24 July
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082413-12	07/15/92	25 July	26 August
SW8240 - Volatile Organics	NONE	001C	450192072609340	07/15/92	27 July	27 July
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292080508200	07/15/92	25 July	5 August
SW846 - Percent Moisture	NONE	000D	MSRSSN00_072492	07/15/92	24 July	24 July
Sample ID : 06-SB-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082415-12	07/15/92	25 July	26 August
Sample ID : 06-SB-02-02 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_083109-001	07/15/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000D	Z3__082309-003	07/15/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000D	Z1__082008-002	07/15/92	15 August	20 August
SW7471 - Mercury	METHOD	000D	Z3__080618-004	07/15/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000D	Z3__082108-002	07/15/92	15 August	21 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001C	TP-L072320-002	07/15/92	24 July	24 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081916-001	07/15/92	26 July	19 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYSED
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082413-12	07/15/92	25 July	26 August
SW8240 - Volatile Organics	NONE	001C	450192072609340	07/15/92	27 July	27 July
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292080508200	07/15/92	25 July	5 August
SW846 - Percent Moisture	NONE	000D	MSRSSN00_072492	07/15/92	24 July	24 July
Sample ID : 06-SB-02-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082415-12	07/15/92	25 July	26 August
Sample ID : 06-SD-01-01 Normal						
SW6010 - Metals	DIPSSA00	000E	JA61_092716-001	08/05/92	2 Septem	27 Septe
SW6010 - Metals	DIPSSA00	000E	JA61_092410-001	08/05/92	31 August	24 Septe
SW7060 - Arsenic	DIPSSA00	000E	Z3__090214-001	08/05/92	31 August	2 Septem
SW7060 - Arsenic	DIPSSA00	000E	Z3__090813-002	08/05/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000E	Z1__090908-001	08/05/92	31 August	9 Septem
SW7421 - Lead	DIFSSA00	000E	Z1__091417-002	08/05/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000E	D2__082413-001	08/05/92	24 August	24 August
SW7471 - Mercury	METHOD	000E	Z3__082017-005	08/05/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000E	Z3__090310-001	08/05/92	31 August	3 Septem
SW7740 - Selenium	DIFSSA00	000E	Z2__091108-001	08/05/92	2 Septem	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081319-002	08/02/92	14 August	14 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M091116-001	08/02/92	10 August	11 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC192091712-54	08/05/92	11 August	19 Septe
SW8240 - Volatile Organics	NONE	001B	450492081108340	08/02/92	11 August	11 August
SW8270 - Semivolatile Organics	354SSN00	000E	MSD192083108300	08/05/92	11 August	1 Septem
SW846 - Percent Moisture	NONE	000E	MSRSSN00_081792	08/05/92	17 August	17 August
Sample ID : 06-SD-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC192091713-54	08/05/92	11 August	19 Septe
Sample ID : 06-SD-01-01 MS Matrix Spike						
SW8240 - Volatile Organics	NONE	001B	450492081108340	08/02/92	11 August	11 August
Sample ID : 06-SD-01-01 MSD Matrix Spike						
SW8240 - Volatile Organics	NONE	001B	450492081108340	08/02/92	11 August	11 August
Sample ID : 06-SD-02-01 Normal						
SW6010 - Metals	DIPSSA00	000E	JA61_092410-001	08/05/92	31 August	24 Septe
SW6010 - Metals	DIPSSA00	000E	JA61_092716-001	08/05/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000E	Z3__090813-002	08/05/92	2 Septem	8 Septem
SW7060 - Arsenic	DIPSSA00	000E	Z3__090214-001	08/05/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	000E	Z1__090908-001	08/05/92	31 August	9 Septem
SW7421 - Lead	DIFSSA00	000E	Z1__091417-002	08/05/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000E	D2__082413-001	08/05/92	24 August	24 August
SW7471 - Mercury	METHOD	000E	Z3__082017-005	08/05/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000E	Z2__091108-001	08/05/92	2 Septem	11 Septe
SW7740 - Selenium	DIFSSA00	000E	Z3__090310-001	08/05/92	31 August	3 Septem

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M091017-001	08/02/92	10 Augus	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081319-002	08/02/92	14 Augus	14 Augus
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC192091712-54	08/05/92	11 Augus	19 Septe
SW8240 - Volatile Organics	NONE	001B	450392081209230	08/02/92	12 Augus	12 Augus
SW8270 - Semivolatile Organics	354SSN00	000E	MSD192083108300	08/05/92	11 Augus	1 Septem
SW846 - Percent Moisture	NONE	000E	MSRSSN00_081792	08/05/92	17 Augus	17 Augus
Sample ID : 06-SD-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC192091713-54	08/05/92	11 Augus	19 Septe
Sample ID : 06-SS-01-01 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_092410-001	08/02/92	31 Augus	24 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__090214-001	08/02/92	31 Augus	2 Septem
SW7421 - Lead	DIFSSA00	000D	Z1__090908-001	08/02/92	31 Augus	9 Septem
SW7471 - Mercury	METHOD	000D	Z3__082017-005	08/02/92	20 Augus	20 Augus
SW7740 - Selenium	DIFSSA00	000D	Z3__090310-001	08/02/92	31 Augus	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081319-002	08/02/92	14 Augus	14 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-L090921-001	08/02/92	10 Augus	10 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC192091712-54	08/02/92	11 Augus	19 Septe
SW8240 - Volatile Organics	NONE	001B	450392081107410	08/02/92	11 Augus	11 Augus
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292082408180	08/02/92	10 Augus	24 Augus
SW846 - Percent Moisture	NONE	000D	MSRSSN00_081792	08/02/92	17 Augus	17 Augus
Sample ID : 06-SS-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC192091713-54	08/02/92	11 Augus	19 Septe
Sample ID : 06-SS-01-01 MS Matrix Spike						
SW6010 - Metals	DIPSSA00	000D	JA61_092410-001	08/02/92	31 Augus	24 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__090214-001	08/02/92	31 Augus	2 Septem
SW7421 - Lead	DIFSSA00	000D	Z1__090908-001	08/02/92	31 Augus	9 Septem
SW7740 - Selenium	DIFSSA00	000D	Z3__090310-001	08/02/92	31 Augus	3 Septem
SW8015 - Nonhalogenated Volatile Organics	NONE	000D	TP-L081319-002	08/02/92	14 Augus	14 Augus
Sample ID : 06-SS-01-01 MSD Matrix Spike						
SW6010 - Metals	DIPSSA00	000D	JA61_092410-001	08/02/92	31 Augus	24 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__090214-001	08/02/92	31 Augus	2 Septem
SW7421 - Lead	DIFSSA00	000D	Z1__090908-001	08/02/92	31 Augus	9 Septem
SW7740 - Selenium	DIFSSA00	000D	Z3__090310-001	08/02/92	31 Augus	3 Septem
SW8015 - Nonhalogenated Volatile Organics	NONE	000D	TP-L081319-002	08/02/92	14 Augus	14 Augus
Sample ID : 06-SS-02-01 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_092410-001	08/02/92	31 Augus	24 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__090214-001	08/02/92	31 Augus	2 Septem
SW7421 - Lead	DIFSSA00	000D	Z1__090908-001	08/02/92	31 Augus	9 Septem
SW7471 - Mercury	METHOD	000D	Z3__082017-005	08/02/92	20 Augus	20 Augus
SW7740 - Selenium	DIFSSA00	000D	Z3__090310-001	08/02/92	31 Augus	3 Septem



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYSED
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-L090921-001	08/02/92	10 August	10 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081319-002	08/02/92	14 August	14 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC192091712-54	08/02/92	11 August	19 Septe
SW8240 - Volatile Organics	NONE	001B	450392081107410	08/02/92	11 August	11 August
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292082408180	08/02/92	10 August	24 August
SW846 - Percent Moisture	NONE	000D	MSRSSN00_081792	08/02/92	17 August	17 August
Sample ID : 06-SS-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC192091713-54	08/02/92	11 August	19 Septe
Sample ID : 06-SS-03-01 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_092410-001	08/02/92	31 August	24 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__090214-001	08/02/92	31 August	2 Septem
SW7421 - Lead	DIFSSA00	000D	Z1__090908-001	08/02/92	31 August	9 Septem
SW7471 - Mercury	METHOD	000D	Z3__082017-005	08/02/92	20 August	20 August
SW7740 - Selenium	DIFSSA00	000D	Z3__090310-001	08/02/92	31 August	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081319-002	08/02/92	14 August	14 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-L090921-001	08/02/92	10 August	10 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC192091712-54	08/02/92	11 August	19 Septe
SW8240 - Volatile Organics	NONE	001B	450392081109230	08/02/92	12 August	12 August
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292082408180	08/02/92	10 August	24 August
SW846 - Percent Moisture	NONE	000D	MSRSSN00_081792	08/02/92	17 August	17 August
Sample ID : 06-SS-03-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC192091713-54	08/02/92	11 August	19 Septe
Sample ID : 06-SS-04-01 Normal						
SW6010 - Metals	DIPSSA00	000G	JA61_082816-010	07/18/92	21 August	28 August
SW7060 - Arsenic	DIPSSA00	000G	Z3__082508-002	07/18/92	21 August	25 August
SW7421 - Lead	DIFSSA00	000G	Z1__082315-001	07/18/92	21 August	23 August
SW7471 - Mercury	METHOD	000G	D2__081016-001	07/18/92	10 August	10 August
SW7740 - Selenium	DIFSSA00	000G	Z1__082517-002	07/18/92	21 August	25 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001F	TP-M083117-001	07/16/92	29 July	1 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001F	TP-L080122-002	07/16/92	1 August	1 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090216-13	07/18/92	29 July	5 Septem
SW8240 - Volatile Organics	NONE	001F	450192072907480	07/18/92	29 July	29 July
SW8270 - Semivolatile Organics	354SSN00	000G	MSD292081008350	07/18/92	29 July	10 August
SW846 - Percent Moisture	NONE	000G	MSRSSN00_072492	07/18/92	24 July	24 July
Sample ID : 06-SS-04-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090217-13	07/18/92	29 July	5 Septem
Sample ID : 06-SS-05-01 Normal						
SW6010 - Metals	DIPSSA00	000G	JA61_082816-010	07/18/92	21 August	28 August
SW7060 - Arsenic	DIPSSA00	000G	Z3__082508-002	07/18/92	21 August	25 August
SW7421 - Lead	DIFSSA00	000G	Z1__082315-001	07/18/92	21 August	23 August



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW7471 - Mercury	METHOD	000G	D2__081016-001	07/18/92	10 August	10 August
SW7740 - Selenium	DIFSSA00	000G	Z1__082517-002	07/18/92	21 August	25 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001F	TP-L080122-002	07/18/92	1 August	1 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001F	TP-M090119-001	07/18/92	29 July	2 Septem
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090216-13	07/18/92	29 July	5 Septem
SW8240 - Volatile Organics	NONE	001F	450192072907480	07/18/92	29 July	29 July
SW8270 - Semivolatile Organics	354SSN00	000G	MSD292081008350	07/18/92	29 July	10 August
SW846 - Percent Moisture	NONE	000G	MSRSSN00_072492	07/18/92	24 July	24 July
Sample ID : 06-SS-05-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090217-13	07/18/92	29 July	5 Septem
Sample ID : 06-SS-06-01 Normal						
SW6010 - Metals	DIPSSA00	000G	JA61_082816-010	07/18/92	21 August	28 August
SW7060 - Arsenic	DIPSSA00	000G	Z3__082508-002	07/18/92	21 August	25 August
SW7421 - Lead	DIFSSA00	000G	Z1__082315-001	07/18/92	21 August	23 August
SW7471 - Mercury	METHOD	000G	D2__081016-001	07/18/92	10 August	10 August
SW7740 - Selenium	DIFSSA00	000G	Z1__082517-002	07/18/92	21 August	25 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001F	TP-M090119-001	07/18/92	29 July	2 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001F	TP-L072801-002	07/18/92	28 July	28 July
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090216-13	07/18/92	29 July	5 Septem
SW8240 - Volatile Organics	NONE	001F	450192073007290	07/18/92	30 July	30 July
SW8270 - Semivolatile Organics	354SSN00	000G	MSD292080911050	07/18/92	29 July	9 August
SW846 - Percent Moisture	NONE	000G	MSRSSN00_072492	07/18/92	24 July	24 July
Sample ID : 06-SS-06-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090217-13	07/18/92	29 July	5 Septem
Sample ID : 07-DS-01 Field Duplicate						
SW6010 - Metals	DIPSSA00	000B	JA61_100113-002	08/11/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__091010-001	08/10/92	6 Septem	10 Septe
SW7421 - Lead	DIFSSA00	000B	Z1__091108-003	08/10/92	6 Septem	11 Septe
SW7471 - Mercury	METHOD	000B	Z3__082518-003	08/10/92	25 August	25 August
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-002	08/10/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L082011-002	08/10/92	20 August	20 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092114-001	08/10/92	18 August	21 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092512-14	08/10/92	18 August	26 Septe
SW8240 - Volatile Organics	NONE	001A	450292082107270	08/10/92	21 August	21 August
SW8270 - Semivolatile Organics	354SSN00	000B	MSD192091008420	08/10/92	19 August	10 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92082412-1	08/10/92	17 August	26 August
SW846 - Percent Moisture	NONE	000B	MSRSSN00_081892	08/10/92	18 August	18 August
SW9045 - Soil pH	NONE	000B	925--082708-001	08/13/92	27 August	27 August
Sample ID : 07-DS-01 CONF Field Duplicate						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092513-14	08/10/92	18 August	26 Septe

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY
Sample ID : 07-DS-01 MS Matrix Spike						
SW8240 - Volatile Organics	NONE	001A	450292082107270	08/10/92	21 August	21 August
Sample ID : 07-DS-01 MSD Matrix Spike						
SW8240 - Volatile Organics	NONE	001A	450292082107270	08/10/92	21 August	21 August
Sample ID : 07-DS-02 Field Duplicate						
SW6010 - Metals	DIPSSA00	000B	JA61_101208-001	08/30/92	16 Septe	12 Octob
SW7060 - Arsenic	DIPSSA00	000B	Z3__092509-001	08/30/92	16 Septe	25 Septe
SW7421 - Lead	DIFSSA00	000B	Z2__091717-002	08/30/92	16 Septe	17 Septe
SW7471 - Mercury	METHOD	000B	Z3__092418-002	08/30/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000B	Z3__092309-001	08/30/92	16 Septe	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L091904-002	09/06/92	19 Septe	19 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092510-001	09/06/92	9 Septem	25 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100712-29	08/30/92	8 Septem	8 Octobe
SW8240 - Volatile Organics	NONE	001A	450292091407450	09/04/92	14 Septe	14 Septe
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292092108300	08/30/92	11 Septe	21 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92100312-1	08/30/92	11 Septe	4 Octobe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_091792	08/30/92	17 Septe	17 Septe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_090592	08/30/92	5 Septem	5 Septe
SW9045 - Soil pH	NONE	000B	925--091708-001	08/30/92	17 Septe	17 Septe
Sample ID : 07-DS-02 CONF Field Duplicate						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100713-29	08/30/92	8 Septem	8 Octobe
Sample ID : 07-DS-03 Field Duplicate						
SW6010 - Metals	DIPSSA00	001A	JA61_100521-010	09/06/92	15 Septe	5 Octobe
SW6010 - Metals	DIPSSA00	001A	JA61_101208-001	09/06/92	16 Septe	12 Octob
SW7060 - Arsenic	DIPSSA00	001A	Z3__092509-001	09/06/92	16 Septe	25 Septe
SW7060 - Arsenic	DIPSSA00	001A	Z3__091608-003	09/06/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	001A	Z2__091717-002	09/06/92	16 Septe	17 Septe
SW7421 - Lead	DIFSSA00	001A	Z1__091719-001	09/06/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	001A	Z3__092418-002	09/06/92	24 Septe	24 Septe
SW7471 - Mercury	METHOD	001A	Z3__092418-001	09/06/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	001A	Z3__092309-001	09/06/92	16 Septe	23 Septe
SW7740 - Selenium	DIFSSA00	001A	Z3__092312-001	09/06/92	15 Septe	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092913-001	09/06/92	14 Septe	29 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092510-001	09/06/92	9 Septem	25 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L091904-002	09/06/92	19 Septe	19 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC892101308-42	09/06/92	12 Septe	15 Octob
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC692100712-29	09/06/92	8 Septem	8 Octobe
SW8240 - Volatile Organics	NONE	001A	450292091407450	09/06/92	14 Septe	14 Septe
SW8270 - Semivolatile Organics	354SSN00	001A	MSD292092408270	09/06/92	18 Septe	24 Septe
SW8270 - Semivolatile Organics	354SSN00	001A	MSD292092108300	08/30/92	11 Septe	21 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	001A	LCC92100312-1	09/06/92	11 Septe	4 Octobe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	001A	LCC92092612-53	09/06/92	11 Septe	28 Septe

TABLE A-4

## DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW846 - Percent Moisture	NONE	001A	MSRSSN00_090592	08/30/92	5 Septem	5 Septem
SW846 - Percent Moisture	NONE	001A	MSRSSN00_091792	09/06/92	17 Septe	17 Septe
SW9045 - Soil pH	NONE	001A	925--091708-001	09/06/92	17 Septe	17 Septe
Sample ID : 07-DS-03 CONF Field Duplicate						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC892101309-42	09/06/92	12 Septe	15 Octob
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC692100713-29	09/06/92	8 Septem	8 Octobe
Sample ID : 07-DS-03 MS Matrix Spike						
SW6010 - Metals	DIPSSA00	001A	JA61_100521-010	09/06/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	001A	Z3__091608-003	09/06/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	001A	Z1__091719-001	09/06/92	15 Septe	17 Septe
SW7740 - Selenium	DIFSSA00	001A	Z3__092312-001	09/06/92	15 Septe	23 Septe
SW8270 - Semivolatile Organics	354SSN00	001A	MSD292092508300	09/06/92	18 Septe	25 Septe
Sample ID : 07-DS-03 MSD Matrix Spike						
SW6010 - Metals	DIPSSA00	001A	JA61_100521-010	09/06/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	001A	Z3__091608-003	09/06/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	001A	Z1__091719-001	09/06/92	15 Septe	17 Septe
SW7740 - Selenium	DIFSSA00	001A	Z3__092312-001	09/06/92	15 Septe	23 Septe
SW8270 - Semivolatile Organics	354SSN00	001A	MSD292092408270	09/06/92	18 Septe	24 Septe
Sample ID : 07-MW-01-02 Normal						
SW6010 - Metals	DIPSSA00	001A	JA61_100113-002	08/11/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	001A	Z3__091010-001	08/11/92	6 Septem	10 Septe
SW7421 - Lead	DIFSSA00	001A	Z1__091108-003	08/11/92	6 Septem	11 Septe
SW7471 - Mercury	METHOD	001A	Z3__082518-003	08/11/92	25 Augus	25 Augus
SW7740 - Selenium	DIFSSA00	001A	Z2__091308-002	08/11/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L082011-002	08/11/92	21 Augus	21 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092012-001	08/11/92	18 Augus	20 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC192092512-14	08/11/92	18 Augus	26 Septe
SW8240 - Volatile Organics	NONE	001A	450392082107510	08/11/92	21 Augus	21 Augus
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192091008420	08/11/92	19 Augus	10 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	001A	LCC92091612-1	08/11/92	17 Augus	16 Septe
SW846 - Percent Moisture	NONE	001A	MSRSSN00_081892	08/11/92	18 Augus	18 Augus
SW9045 - Soil pH	NONE	001A	925--082708-001	08/11/92	27 Augus	27 Augus
Sample ID : 07-MW-01-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC192092513-14	08/11/92	18 Augus	26 Septe
Sample ID : 07-MW-02-02 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_100113-002	08/11/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__091010-001	08/11/92	6 Septem	10 Septe
SW7421 - Lead	DIFSSA00	000B	Z1__091108-003	08/11/92	6 Septem	11 Septe
SW7471 - Mercury	METHOD	000B	Z3__082518-003	08/11/92	25 Augus	25 Augus
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-002	08/11/92	6 Septem	13 Septe

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYSED
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092012-001	08/11/92	18 August	21 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L082011-002	08/11/92	21 August	21 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092512-14	08/11/92	18 August	26 Septe
SW8240 - Volatile Organics	NONE	001A	450392082008590	08/11/92	20 August	20 August
SW8270 - Semivolatile Organics	354SSN00	000B	MSD192091008420	08/11/92	19 August	10 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92082412-1	08/11/92	17 August	25 August
SW846 - Percent Moisture	NONE	000B	MSRSSN00_081892	08/11/92	18 August	18 August
SW9045 - Soil pH	NONE	000B	925--082708-001	08/11/92	27 August	27 August

Sample ID : 07-MW-02-02 CONF Normal

SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092513-14	08/11/92	18 August	26 Septe
---	----------	------	----------------	----------	-----------	----------

Sample ID : 07-MW-03-02 Normal

SW6010 - Metals	DIPSSA00	000B	JA61_100113-002	08/10/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__091010-001	08/10/92	6 Septem	10 Septe
SW7421 - Lead	DIFSSA00	000B	Z1__091108-003	08/10/92	6 Septem	11 Septe
SW7471 - Mercury	METHOD	000B	Z3__082518-003	08/10/92	25 August	25 August
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-002	08/10/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L082011-002	08/10/92	20 August	20 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M091915-001	08/10/92	18 August	19 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092512-14	08/10/92	18 August	25 Septe
SW8240 - Volatile Organics	NONE	001A	450292081907450	08/10/92	19 August	19 Aug
SW8270 - Semivolatile Organics	354SSN00	000B	MSD192091008420	08/10/92	19 August	10 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92082412-1	08/10/92	17 August	25 August
SW846 - Percent Moisture	NONE	000B	MSRSSN00_081892	08/10/92	18 August	18 August
SW9045 - Soil pH	NONE	000B	925--082708-001	08/10/92	27 August	27 August

Sample ID : 07-MW-03-02 CONF Normal

SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092513-14	08/10/92	18 August	25 Septe
---	----------	------	----------------	----------	-----------	----------

Sample ID : 07-MW-03-02 MS Matrix Spike

SW6010 - Metals	DIPSSA00	000B	JA61_100113-002	08/10/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__091010-001	08/10/92	6 Septem	10 Septe
SW7421 - Lead	DIFSSA00	000B	Z1__091108-003	08/10/92	6 Septem	11 Septe
SW7471 - Mercury	METHOD	000B	Z3__082518-003	08/10/92	25 August	25 August
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-002	08/10/92	6 Septem	13 Septe
SW8015 - Nonhalogenated Volatile Organics	NONE	001A	TP-L082011-002	08/10/92	20 August	20 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M091915-001	08/10/92	18 August	19 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092512-14	08/10/92	18 August	25 Septe
SW8240 - Volatile Organics	NONE	001A	450292081907450	08/10/92	19 August	19 August
SW8270 - Semivolatile Organics	354SSN00	000B	MSD192091008420	08/10/92	19 August	10 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92082412-1	08/10/92	17 August	25 August

Sample ID : 07-MW-03-02 MS CONF Matrix Spike

SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092513-14	08/10/92	18 August	25 S
---	----------	------	----------------	----------	-----------	------

TABLE A-4

## DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 07-MW-03-02 MSD Matrix Spike						
SW6010 - Metals	DIPSSA00	000B	JA61_100113-002	08/10/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__091010-001	08/10/92	6 Septem	10 Septe
SW7421 - Lead	DIFSSA00	000B	Z1__091108-003	08/10/92	6 Septem	11 Septe
SW7471 - Mercury	METHOD	000B	Z3__082518-003	08/10/92	25 Augus	25 Augus
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-002	08/10/92	6 Septem	13 Septe
SW8015 - Nonhalogenated Volatile Organics	NONE	001A	TP-L082011-002	08/10/92	20 Augus	20 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M091915-001	08/10/92	18 Augus	19 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092512-14	08/10/92	18 Augus	25 Septe
SW8240 - Volatile Organics	NONE	001A	450292081907450	08/10/92	19 Augus	19 Augus
SW8270 - Semivolatile Organics	354SSN00	000B	MSD192091008420	08/10/92	19 Augus	10 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92082412-1	08/10/92	17 Augus	25 Augus
Sample ID : 07-MW-03-02 MSD CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092513-14	08/10/92	18 Augus	25 Septe
Sample ID : 07-MW-04-02 Normal						
SW6010 - Metals	DIPSSA00	010C	JA61_092914-001	08/09/92	8 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	010C	Z3__091309-001	08/09/92	8 Septem	13 Septe
SW7421 - Lead	DIFSSA00	010C	Z1__091108-002	08/09/92	8 Septem	11 Septe
SW7471 - Mercury	METHOD	010C	Z3__082518-003	08/09/92	25 Augus	25 Augus
SW7740 - Selenium	DIFSSA00	010C	Z2__091113-002	08/09/92	8 Septem	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	211B	TP-M091915-001	08/09/92	18 Augus	20 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	211B	TP-L082011-002	08/09/92	20 Augus	20 Augus
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010C	GC192092512-14	08/09/92	18 Augus	26 Septe
SW8240 - Volatile Organics	NONE	211B	450392081808430	08/09/92	18 Augus	18 Augus
SW8270 - Semivolatile Organics	354SSN00	010C	MSD192091008420	08/09/92	19 Augus	10 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	010C	LCC92091612-1	08/09/92	17 Augus	16 Septe
SW846 - Percent Moisture	NONE	010C	MSRSSN00_081892	08/09/92	18 Augus	18 Augus
SW9045 - Soil pH	NONE	010C	925--082708-001	08/09/92	27 Augus	27 Augus
Sample ID : 07-MW-04-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010C	GC192092513-14	08/09/92	18 Augus	26 Septe
Sample ID : 07-MW-04-02 MS Matrix Spike						
SW6010 - Metals	DIPSSA00	010C	JA61_092914-001	08/09/92	8 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	010C	Z3__091309-001	08/09/92	8 Septem	13 Septe
SW7421 - Lead	DIFSSA00	010C	Z1__091108-002	08/09/92	8 Septem	11 Septe
SW7740 - Selenium	DIFSSA00	010C	Z2__091113-002	08/09/92	8 Septem	11 Septe
Sample ID : 07-MW-04-02 MSD Matrix Spike						
SW6010 - Metals	DIPSSA00	010C	JA61_092914-001	08/09/92	8 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	010C	Z3__091309-001	08/09/92	8 Septem	13 Septe
SW7421 - Lead	DIFSSA00	010C	Z1__091108-002	08/09/92	8 Septem	11 Septe
SW7740 - Selenium	DIFSSA00	010C	Z2__091113-002	08/09/92	8 Septem	11 Septe

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 07-SB-01-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_100113-002	08/12/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__091010-001	08/12/92	6 Septem	10 Septe
SW7421 - Lead	DIFSSA00	000B	Z1__091108-003	08/12/92	6 Septem	11 Septe
SW7471 - Mercury	METHOD	000B	Z3__082518-003	08/12/92	25 Augus	25 Augus
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-002	08/12/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092012-001	08/12/92	18 Augus	21 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L082011-002	08/12/92	21 Augus	21 Augus
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092512-14	08/12/92	18 Augus	26 Septe
SW8240 - Volatile Organics	NONE	001A	450392082008590	08/12/92	20 Augus	20 Augus
SW8270 - Semivolatile Organics	354SSN00	000B	MSD192091008420	08/12/92	19 Augus	10 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92091612-1	08/12/92	17 Augus	16 Septe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_081892	08/12/92	18 Augus	18 Augus
SW9045 - Soil pH	NONE	000B	925--082708-001	08/12/92	27 Augus	27 Augus
Sample ID : 07-SB-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092513-14	08/12/92	18 Augus	26 Septe
Sample ID : 07-SB-02-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_100113-002	08/12/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__091010-001	08/12/92	6 Septem	10 Septe
SW7421 - Lead	DIFSSA00	000B	Z1__091108-003	08/12/92	6 Septem	11 Septe
SW7471 - Mercury	METHOD	000B	Z3__082518-003	08/12/92	25 Augus	25 Augus
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-002	08/12/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L082011-002	08/12/92	21 Augus	21 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092012-001	08/12/92	18 Augus	20 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092512-14	08/12/92	18 Augus	26 Septe
SW8240 - Volatile Organics	NONE	000B	450392082107510	08/12/92	21 Augus	21 Augus
SW8270 - Semivolatile Organics	354SSN00	000B	MSD192091008420	08/12/92	19 Augus	10 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92091612-1	08/12/92	17 Augus	16 Septe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_081892	08/12/92	18 Augus	18 Augus
SW9045 - Soil pH	NONE	000B	925--082708-001	08/12/92	27 Augus	27 Augus
Sample ID : 07-SB-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092513-14	08/12/92	18 Augus	26 Septe
Sample ID : 07-SB-03-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_100113-002	08/12/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__091010-001	08/12/92	6 Septem	10 Septe
SW7421 - Lead	DIFSSA00	000B	Z1__091108-003	08/12/92	6 Septem	11 Septe
SW7471 - Mercury	METHOD	000B	Z3__082518-003	08/12/92	25 Augus	25 Augus
SW7740 - Selenium	DIFSSA00	000B	Z2__091308-002	08/12/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L082011-002	08/12/92	21 Augus	21 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092012-001	08/12/92	18 Augus	21 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092512-14	08/12/92	18 Augus	26 Septe
SW8240 - Volatile Organics	NONE	000B	450392082008590	08/12/92	20 Augus	20 Augus



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW8270 - Semivolatile Organics	354SSN00	000B	MSD192091008420	08/12/92	19 Augus	10 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92091612-1	08/12/92	17 Augus	16 Septe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_081892	08/12/92	18 Augus	18 Augus
SW9045 - Soil pH	NONE	000B	925--082708-001	08/12/92	27 Augus	27 Augus
Sample ID : 07-SB-03-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC192092513-14	08/12/92	18 Augus	26 Septe
Sample ID : 07-SD-01-01 Normal						
SW6010 - Metals	DIPSSA00	001A	JA61_100521-010	09/06/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	001A	Z3__091608-003	09/06/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	001A	Z1__091719-001	09/06/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	001A	Z3__092418-001	09/06/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	001A	Z3__092312-001	09/06/92	15 Septe	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092913-001	09/06/92	14 Septe	29 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L091904-002	09/06/92	19 Septe	19 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC892101308-42	09/06/92	12 Septe	15 Octob
SW8240 - Volatile Organics	NONE	001A	450292091407450	09/06/92	14 Septe	14 Septe
SW8270 - Semivolatile Organics	354SSN00	001A	MSD292092408270	09/06/92	18 Septe	24 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	001A	LCC92092612-53	09/06/92	11 Septe	28 Septe
SW846 - Percent Moisture	NONE	001A	MSRSSN00_091792	09/06/92	17 Septe	17 Septe
Sample ID : 07-SD-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC892101309-42	09/06/92	12 Septe	15 Octob
Sample ID : 07-SD-01-01 MS Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	001A	TP-L091904-002	09/06/92	19 Septe	19 Septe
Sample ID : 07-SD-01-01 MSD Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	001A	TP-L091904-002	09/06/92	19 Septe	19 Septe
Sample ID : 07-SD-02-01 Normal						
SW6010 - Metals	DIPSSA00	001A	JA61_101208-001	08/30/92	16 Septe	12 Octob
SW7060 - Arsenic	DIPSSA00	001A	Z3__092509-001	08/30/92	16 Septe	25 Septe
SW7421 - Lead	DIFSSA00	001A	Z2__091717-002	08/30/92	16 Septe	17 Septe
SW7471 - Mercury	METHOD	001A	Z3__092418-002	08/30/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	001A	Z3__092309-001	08/30/92	16 Septe	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L090801-002	08/30/92	9 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092814-001	08/30/92	9 Septem	28 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC692100712-29	08/30/92	8 Septem	8 Octobe
SW8240 - Volatile Organics	NONE	001A	450392090908420	08/30/92	9 Septem	9 Septem
SW8270 - Semivolatile Organics	354SSN00	001A	MSD292092108300	08/30/92	11 Septe	21 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	001A	LCC92100312-1	08/30/92	11 Septe	4 Octobe
SW846 - Percent Moisture	NONE	001A	MSRSSN00_090592	08/30/92	5 Septem	5 Septem
SW9045 - Soil pH	NONE	001A	925--091708-001	08/30/92	17 Septe	17 Septe

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY
Sample ID : 07-SD-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC692100713-29	08/30/92	8 Septem	8 Octobe
Sample ID : 07-SD-02-01 MS Matrix Spike						
SW7471 - Mercury	METHOD	001A	Z3__092418-002	08/30/92	24 Septe	24 Septe
Sample ID : 07-SD-02-01 MSD Matrix Spike						
SW7471 - Mercury	METHOD	001A	Z3__092418-002	08/30/92	24 Septe	24 Septe
Sample ID : 07-SS-01-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_101208-001	08/30/92	16 Septe	12 Octob
SW7060 - Arsenic	DIPSSA00	000B	Z3__092509-001	08/30/92	16 Septe	25 Septe
SW7421 - Lead	DIFSSA00	000B	Z2__091717-002	08/30/92	16 Septe	17 Septe
SW7471 - Mercury	METHOD	000B	Z3__092418-002	08/30/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000B	Z3__092309-001	08/30/92	16 Septe	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L091904-002	09/06/92	19 Septe	19 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092814-001	09/06/92	9 Septem	28 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100712-29	08/30/92	8 Septem	8 Octobe
SW8240 - Volatile Organics	NONE	001A	450292091407450	09/06/92	14 Septe	14 Septe
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292092108300	08/30/92	11 Septe	21 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92100312-1	08/30/92	11 Septe	3 Octob
SW846 - Percent Moisture	NONE	000B	MSRSSN00_091792	08/30/92	17 Septe	17 Septe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_090592	08/30/92	5 Septem	5 Septem
SW9045 - Soil pH	NONE	000B	925--091708-001	08/30/92	17 Septe	17 Septe
Sample ID : 07-SS-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100713-29	08/30/92	8 Septem	8 Octobe
Sample ID : 07-SS-01-01 MS Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100712-29	08/30/92	8 Septem	8 Octobe
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292092108300	08/30/92	11 Septe	21 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92100312-1	08/30/92	11 Septe	3 Octobe
Sample ID : 07-SS-01-01 MS CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100713-29	08/30/92	8 Septem	8 Octobe
Sample ID : 07-SS-01-01 MSD Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100712-29	08/30/92	8 Septem	8 Octobe
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292092108300	08/30/92	11 Septe	21 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92100312-1	08/30/92	11 Septe	4 Octobe



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 07-SS-01-01 MSD CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100713-29	08/30/92	8 Septem	8 Octobe
Sample ID : 07-SS-02-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_101208-001	09/01/92	16 Septe	12 Octob
SW7060 - Arsenic	DIPSSA00	000B	Z3__092509-001	09/01/92	16 Septe	25 Septe
SW7421 - Lead	DIFSSA00	000B	Z2__091717-002	09/01/92	16 Septe	17 Septe
SW7471 - Mercury	METHOD	000B	Z3__092418-002	09/01/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000B	Z3__092309-001	09/01/92	16 Septe	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L091712-002	09/06/92	18 Septe	18 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092510-001	09/06/92	9 Septem	25 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100712-29	09/01/92	8 Septem	8 Octobe
SW8240 - Volatile Organics	NONE	001A	450392091608440	09/06/92	16 Septe	16 Septe
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292092108300	09/01/92	11 Septe	21 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92100312-1	09/01/92	11 Septe	4 Octobe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_090592	09/01/92	5 Septem	5 Septem
SW846 - Percent Moisture	NONE	000B	MSRSSN00_091792	09/01/92	17 Septe	17 Septe
SW9045 - Soil pH	NONE	000B	925--091708-001	09/01/92	17 Septe	17 Septe
Sample ID : 07-SS-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100713-29	09/01/92	8 Septem	8 Octobe
Sample ID : 07-SS-03-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_101208-001	08/30/92	16 Septe	12 Octob
SW7060 - Arsenic	DIPSSA00	000B	Z3__092509-001	08/30/92	16 Septe	25 Septe
SW7421 - Lead	DIFSSA00	000B	Z2__091717-002	08/30/92	16 Septe	17 Septe
SW7471 - Mercury	METHOD	000B	Z3__092418-002	08/30/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000B	Z3__092309-001	08/30/92	16 Septe	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L091712-002	09/06/92	18 Septe	18 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092814-001	09/06/92	9 Septem	28 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100712-29	08/30/92	8 Septem	8 Octobe
SW8240 - Volatile Organics	NONE	001A	450392091508530	09/06/92	15 Septe	15 Septe
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292092108300	08/30/92	11 Septe	21 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92100312-1	08/30/92	11 Septe	4 Octobe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_091792	08/30/92	17 Septe	17 Septe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_090592	08/30/92	5 Septem	5 Septem
SW9045 - Soil pH	NONE	000B	925--091708-001	08/30/92	17 Septe	17 Septe
Sample ID : 07-SS-03-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100713-29	08/30/92	8 Septem	8 Octobe
Sample ID : 07-SS-04-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_101208-001	08/30/92	16 Septe	12 Octob
SW7060 - Arsenic	DIPSSA00	000B	Z3__092509-001	08/30/92	16 Septe	25 Septe
SW7421 - Lead	DIFSSA00	000B	Z2__091717-002	08/30/92	16 Septe	17 Septe

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW7471 - Mercury	METHOD	000B	Z3__092418-002	08/30/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000B	Z3__092309-001	08/30/92	16 Septe	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L090801-002	08/30/92	9 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M100810-001	08/30/92	9 Septem	7 Octobe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100712-29	08/30/92	8 Septem	8 Octobe
SW8240 - Volatile Organics	NONE	001A	450392090908420	08/30/92	9 Septem	9 Septem
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292092108300	08/30/92	11 Septe	21 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92092612-53	08/30/92	11 Septe	27 Septe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_090592	08/30/92	5 Septem	5 Septem
SW9045 - Soil pH	NONE	000B	925--091708-001	08/30/92	17 Septe	17 Septe

Sample ID : 07-SS-04-01 CONF Normal

SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100713-29	08/30/92	8 Septem	8 Octobe
---	----------	------	----------------	----------	----------	----------

Sample ID : 07-SS-05-01 Normal

SW6010 - Metals	DIPSSA00	000B	JA61_101208-001	08/30/92	16 Septe	12 Octob
SW7060 - Arsenic	DIPSSA00	000B	Z3__092509-001	08/30/92	16 Septe	25 Septe
SW7421 - Lead	DIFSSA00	000B	Z2__091717-002	08/30/92	16 Septe	17 Septe
SW7471 - Mercury	METHOD	000B	Z3__092418-002	08/30/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000B	Z3__092309-001	08/30/92	16 Septe	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L090801-002	08/30/92	9 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092510-001	08/30/92	9 Septem	25 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100712-29	08/30/92	8 Septem	8 Octobe
SW8240 - Volatile Organics	NONE	001A	450392090908420	08/30/92	9 Septem	9 Septem
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292092108300	08/30/92	11 Septe	21 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92100312-1	08/30/92	11 Septe	4 Octobe
SW846 - Percent Moisture	NONE	000B	MSRSSN00_090592	08/30/92	5 Septem	5 Septem
SW9045 - Soil pH	NONE	000B	925--091708-001	08/30/92	17 Septe	17 Septe

Sample ID : 07-SS-05-01 CONF Normal

SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC692100713-29	08/30/92	8 Septem	8 Octobe
---	----------	------	----------------	----------	----------	----------

Sample ID : 09-DS-01 Field Duplicate

SW6010 - Metals	DIPSSA00	001A	JA61_092914-001	08/17/92	9 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	001A	Z3__091309-002	08/17/92	9 Septem	13 Septe
SW7421 - Lead	DIFSSA00	001A	Z1__091417-001	08/17/92	9 Septem	14 Septe
SW7471 - Mercury	METHOD	001A	Z3__090316-002	08/17/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	001A	Z2__091409-002	08/17/92	9 Septem	14 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-N082420-002	08/17/92	25 Augus	25 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092012-001	08/17/92	25 Augus	21 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC492092612-14	08/17/92	25 Augus	27 Septe
SW8240 - Volatile Organics	NONE	001A	450192082011220	08/17/92	21 Augus	21 Augus
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192091409020	08/17/92	30 Augus	14 Septe
SW846 - Percent Moisture	NONE	001A	MSRSSN00_090592	08/17/92	5 Septem	5 Septem
SW846 - Percent Moisture	NONE	001A	MSRSSN00_090492	08/17/92	4 Septem	4 Septem

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 09-DS-01 CONF Field Duplicate						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC492092613-14	08/17/92	25 August	27 Septe
Sample ID : 09-MW-01-02 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_081010-001	07/09/92	5 August	10 August
SW7060 - Arsenic	DIPSSA00	000B	Z3__081913-001	07/09/92	5 August	19 August
SW7421 - Lead	DIFSSA00	000B	Z2__080709-003	07/09/92	5 August	7 August
SW7471 - Mercury	METHOD	000B	D2__080316-001	07/09/92	3 August	3 August
SW7740 - Selenium	DIFSSA00	000B	Z3__081014-001	07/09/92	5 August	10 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M081712-001	07/09/92	18 July	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L071808-002	07/09/92	18 July	18 July
SW8240 - Volatile Organics	NONE	001A	450392072113280	07/09/92	21 July	21 July
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292072310280	07/09/92	18 July	23 July
SW846 - Percent Moisture	NONE	000B	MSRSSN00_072492	07/09/92	24 July	24 July
Sample ID : 09-MW-02-02 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_081010-001	07/10/92	5 August	10 August
SW7060 - Arsenic	DIPSSA00	000B	Z3__081913-001	07/10/92	5 August	19 August
SW7421 - Lead	DIFSSA00	000B	Z2__080709-003	07/10/92	5 August	7 August
SW7471 - Mercury	METHOD	000B	D2__080316-001	07/10/92	3 August	3 August
SW7740 - Selenium	DIFSSA00	000B	Z3__081014-001	07/10/92	5 August	10 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M081712-001	07/10/92	18 July	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L071808-002	07/10/92	18 July	18 July
SW8240 - Volatile Organics	NONE	001A	450492072211010	07/10/92	22 July	22 July
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292072310280	07/10/92	18 July	23 July
SW846 - Percent Moisture	NONE	000B	MSRSSN00_072492	07/10/92	24 July	24 July
Sample ID : 09-MW-03-02 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_100113-001	08/15/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090916-001	08/15/92	6 Septem	9 Septem
SW7421 - Lead	DIFSSA00	000C	Z1__091308-003	08/15/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000C	Z3__090316-002	08/15/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	000C	Z2__091308-001	08/15/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	002A	TP-M092312-001	08/15/92	25 August	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	002A	TP-N082420-002	08/15/92	25 August	25 August
SW8240 - Volatile Organics	NONE	002A	450192082011220	08/15/92	21 August	21 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292090710580	08/15/92	26 August	7 Septem
SW846 - Percent Moisture	NONE	002A	MSRSSN00_082092	08/14/92	20 August	20 August
Sample ID : 09-MW-04-02 Normal						
SW6010 - Metals	DIPSSA00	000A	JA61_080713-001	07/06/92	5 August	7 August
SW7060 - Arsenic	DIPSSA00	001A	Z1__081312-001	07/06/92	5 August	13 August
SW7421 - Lead	DIFSSA00	001A	Z2__080615-002	07/06/92	5 August	6 August
SW7471 - Mercury	METHOD	001A	Z3__080118-001	07/06/92	1 August	1 August
SW7740 - Selenium	DIFSSA00	001A	Z3__081014-001	07/06/92	5 August	10 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	002A	TP-M081712-001	07/06/92	18 July	17 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	002A	TP-L071707-002	07/06/92	17 July	17 July
SW8240 - Volatile Organics	NONE	001A	450392071508470	07/06/92	15 July	15 July
SW8270 - Semivolatile Organics	354SSN00	001A	MSD292072310280	07/06/92	18 July	23 July
SW846 - Percent Moisture	NONE	001A	MSRSSN00_072292	07/06/92	22 July	22 July
Sample ID : 09-MW-04-02 MS Matrix Spike						
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	002A	TP-L081712-002	07/06/92	18 July	17 August
SW8270 - Semivolatile Organics	354SSN00	001A	MSD292072310280	07/06/92	18 July	23 July
Sample ID : 09-MW-04-02 MSD Matrix Spike						
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	002A	TP-L081712-002	07/06/92	18 July	17 August
SW8270 - Semivolatile Organics	354SSN00	001A	MSD292072310280	07/06/92	18 July	23 July
Sample ID : 09-MW-05-02 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_100113-001	08/16/92	6 Septem	1 Octobe
SW7060 - Arsenic	DIPSSA00	000C	Z3__090916-001	08/16/92	6 Septem	9 Septem
SW7421 - Lead	DIFSSA00	000C	Z1__091308-003	08/16/92	6 Septem	13 Septe
SW7471 - Mercury	METHOD	000C	Z3__090316-002	08/16/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	000C	Z2__091308-001	08/16/92	6 Septem	13 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	000C	TP-M092312-001	08/16/92	25 August	23 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	000C	TP-N082420-002	08/16/92	25 August	25 August
SW8240 - Volatile Organics	NONE	102A	450192082108370	08/16/92	21 August	21 August
SW8270 - Semivolatile Organics	354SSN00	000C	MSD292090710580	08/16/92	26 August	7 Septem
SW846 - Percent Moisture	NONE	102A	MSRSSN00_082092	08/16/92	20 August	20 August
Sample ID : 09-MW-06-02 Normal						
SW6010 - Metals	DIPSSA00	001A	JA61_092914-001	08/17/92	9 Septem	29 Septe
SW7060 - Arsenic	DIPSSA00	001A	Z3__091309-002	08/17/92	9 Septem	13 Septe
SW7421 - Lead	DIFSSA00	001A	Z1__091417-001	08/17/92	9 Septem	14 Septe
SW7471 - Mercury	METHOD	001A	Z3__090316-002	08/17/92	3 Septem	3 Septem
SW7740 - Selenium	DIFSSA00	001A	Z2__091409-002	08/17/92	9 Septem	14 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-N082420-002	08/17/92	25 August	25 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092012-001	08/17/92	25 August	21 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC492092612-14	08/17/92	25 August	27 Septe
SW8240 - Volatile Organics	NONE	001A	450192082011220	08/17/92	21 August	21 August
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192091409020	08/17/92	30 August	14 Septe
SW846 - Percent Moisture	NONE	001A	MSRSSN00_090592	08/17/92	5 Septem	5 Septem
SW846 - Percent Moisture	NONE	001A	MSRSSN00_090492	08/17/92	4 Septem	4 Septem
Sample ID : 09-MW-06-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	001A	GC492092613-14	08/17/92	25 August	27 Septe
Sample ID : 09-MW-06-02 MS Matrix Spike						
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192091409020	08/17/92	30 August	14 Septe

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 09-MW-06-02 MSD Matrix Spike						
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192091409020	08/17/92	30 Augus	14 Septe
Sample ID : 09-SS-01-01 Normal						
SW6010 - Metals	DIPSSA00	010B	JA61_100217-001	09/03/92	9 Septem	2 Octobe
SW7060 - Arsenic	DIPSSA00	010B	Z3__091309-002	09/03/92	9 Septem	13 Septe
SW7421 - Lead	DIFSSA00	010B	Z1__091417-001	09/03/92	9 Septem	14 Septe
SW7471 - Mercury	METHOD	010B	Z3__092418-001	09/03/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	010B	Z2__091409-002	09/03/92	9 Septem	14 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L101316-002	10/02/92	14 Octob	14 Octob
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L091712-002	09/03/92	17 Septe	17 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092913-001	09/03/92	14 Septe	30 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010B	GC892101308-42	09/03/92	12 Septe	15 Octob
SW8240 - Volatile Organics	NONE	001A	450492101208290	10/02/92	13 Octob	13 Octob
SW8270 - Semivolatile Organics	354SSN00	010B	MSD192092309080	09/03/92	15 Septe	23 Septe
SW846 - Percent Moisture	NONE	010B	MSRSSN00_101792	09/03/92	17 Octob	17 Octob
SW846 - Percent Moisture	NONE	010B	MSRSSN00_091092	09/03/92	10 Septe	10 Septe
Sample ID : 09-SS-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010B	GC892101309-42	09/03/92	12 Septe	15 Octob
Sample ID : 09-SS-01-01 MS Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	010B	TP-L101316-002	09/03/92	14 Octob	14 Octob
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092913-001	09/03/92	14 Septe	29 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010B	GC892101308-42	09/03/92	12 Septe	15 Octob
Sample ID : 09-SS-01-01 MS CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010B	GC892101309-42	09/03/92	12 Septe	15 Octob
Sample ID : 09-SS-01-01 MSD Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	010B	TP-L101316-002	09/03/92	14 Octob	14 Octob
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092913-001	09/03/92	14 Septe	29 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010B	GC892101308-42	09/03/92	12 Septe	15 Octob
Sample ID : 09-SS-01-01 MSD CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010B	GC892101309-42	09/03/92	12 Septe	15 Octob
Sample ID : 09-SS-02-01 Normal						
SW6010 - Metals	DIPSSA00	010B	JA61_100217-001	09/03/92	9 Septem	2 Octobe
SW7060 - Arsenic	DIPSSA00	010B	Z3__091309-002	09/03/92	9 Septem	13 Septe
SW7421 - Lead	DIFSSA00	010B	Z1__091417-001	09/03/92	9 Septem	14 Septe
SW7471 - Mercury	METHOD	010B	Z3__092418-001	09/03/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	010B	Z2__091409-002	09/03/92	9 Septem	14 Septe

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	010B	TP-L091712-002	09/03/92	17 Septe	17 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	010B	TP-M092913-001	09/03/92	14 Septe	30 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010B	GC892101308-42	09/03/92	12 Septe	15 Octob
SW8240 - Volatile Organics	NONE	011A	450392091108290	09/03/92	11 Septe	11 Septe
SW8270 - Semivolatile Organics	354SSN00	010B	MSD192092309080	09/03/92	15 Septe	23 Septe
SW846 - Percent Moisture	NONE	011A	MSRSSN00_090592	09/03/92	5 Septem	5 Septem
Sample ID : 09-SS-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010B	GC892101309-42	09/03/92	12 Septe	15 Octob
Sample ID : 09-SS-03-01 Normal						
SW6010 - Metals	DIPSSA00	010B	JA61_100217-001	09/03/92	9 Septem	2 Octobe
SW7060 - Arsenic	DIPSSA00	010B	Z3__091309-002	09/03/92	9 Septem	13 Septe
SW7421 - Lead	DIFSSA00	010B	Z1__091417-001	09/03/92	9 Septem	14 Septe
SW7471 - Mercury	METHOD	010B	Z3__092418-001	09/03/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	010B	Z2__091409-002	09/03/92	9 Septem	14 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	010B	TP-L091712-002	09/03/92	17 Septe	17 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	010B	TP-M093012-001	09/03/92	14 Septe	30 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010B	GC892101308-14	09/03/92	12 Septe	14 Octob
SW8240 - Volatile Organics	NONE	011A	450392091508530	09/03/92	15 Septe	15 Septe
SW8270 - Semivolatile Organics	354SSN00	010B	MSD192092309080	09/03/92	15 Septe	23 Septe
SW846 - Percent Moisture	NONE	010B	MSRSSN00_090592	09/03/92	5 Septem	5 Septe
Sample ID : 09-SS-03-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	010B	GC892101309-14	09/03/92	12 Septe	14 Octob
Sample ID : 09-SS-03-01 MS Matrix Spike						
SW7060 - Arsenic	DIPSSA00	010B	Z3__091309-002	09/03/92	9 Septem	13 Septe
SW7421 - Lead	DIFSSA00	010B	Z1__091417-001	09/03/92	9 Septem	14 Septe
SW7740 - Selenium	DIFSSA00	010B	Z2__091409-002	09/03/92	9 Septem	14 Septe
Sample ID : 09-SS-03-01 MSD Matrix Spike						
SW7060 - Arsenic	DIPSSA00	010B	Z3__091309-002	09/03/92	9 Septem	13 Septe
SW7421 - Lead	DIFSSA00	010B	Z1__091417-001	09/03/92	9 Septem	14 Septe
SW7740 - Selenium	DIFSSA00	010B	Z2__091409-002	09/03/92	9 Septem	14 Septe
Sample ID : 10-DS-01 Field Duplicate						
SW6010 - Metals	DIPSSA00	000D	JA61_083109-001	07/13/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000D	Z3__082309-003	07/13/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000D	Z1__082008-002	07/13/92	15 August	20 August
SW7471 - Mercury	METHOD	000D	Z3__080618-004	07/13/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000D	Z3__082108-002	07/13/92	15 August	21 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001C	TP-L072320-002	07/13/92	24 July	24 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081814-001	07/13/92	26 July	18 Aug
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082413-12	07/13/92	25 July	25 August
SW8240 - Volatile Organics	NONE	001C	450192072609340	07/13/92	26 July	26 July



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292080508200	07/13/92	25 July	5 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000D	LCC92073012-2	07/13/92	24 July	30 July
SW846 - Percent Moisture	NONE	000D	MSRSSN00_072492	07/13/92	24 July	24 July
Sample ID : 10-DS-01 CONF Field Duplicate						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082415-12	07/13/92	25 July	25 August
Sample ID : 10-DS-01 MS Matrix Spike						
SW6010 - Metals	DIPSSA00	000D	JA61_083109-001	07/13/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000D	Z3__082309-003	07/13/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000D	Z1__082008-002	07/13/92	15 August	20 August
SW7471 - Mercury	METHOD	000D	Z3__080618-004	07/13/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000D	Z3__082108-002	07/13/92	15 August	21 August
SW8015 - Nonhalogenated Volatile Organics	NONE	001C	TP-L072320-002	07/13/92	24 July	24 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081814-001	07/13/92	26 July	18 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082413-12	07/13/92	25 July	25 August
SW8240 - Volatile Organics	NONE	001C	450192072609340	07/13/92	27 July	27 July
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292080508200	07/13/92	25 July	5 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000D	LCC92073012-2	07/13/92	24 July	30 July
Sample ID : 10-DS-01 MS CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082415-12	07/13/92	25 July	25 August
Sample ID : 10-DS-01 MSD Matrix Spike						
SW6010 - Metals	DIPSSA00	000D	JA61_083109-001	07/13/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000D	Z3__082309-003	07/13/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000D	Z1__082008-002	07/13/92	15 August	20 August
SW7471 - Mercury	METHOD	000D	Z3__080618-004	07/13/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000D	Z3__082108-002	07/13/92	15 August	21 August
SW8015 - Nonhalogenated Volatile Organics	NONE	001C	TP-L072320-002	07/13/92	24 July	24 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081814-001	07/13/92	26 July	18 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082413-12	07/13/92	25 July	25 August
SW8240 - Volatile Organics	NONE	001C	450192072609340	07/13/92	27 July	27 July
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292080508200	07/13/92	25 July	5 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000D	LCC92073012-2	07/13/92	24 July	30 July
Sample ID : 10-DS-01 MSD CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082415-12	07/13/92	25 July	25 August
Sample ID : 10-DS-02 Field Duplicate						
SW6010 - Metals	DIPSSA00	000C	JA61_100521-010	08/29/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	000C	Z3__091608-003	08/29/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	000C	Z1__091719-001	08/29/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	000C	Z3__092418-001	08/29/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000C	Z1__091613-002	08/29/92	15 Septe	16 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	011A	TP-L091712-002	09/03/92	17 Septe	17 Septe

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	011A	TP-M092312-001	09/03/92	9 Septem	24 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101212-32	08/29/92	9 Septem	13 Octob
SW8240 - Volatile Organics	NONE	011A	450392091508530	09/03/92	15 Septe	15 Septe
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192101609100	10/02/92	14 Octob	16 Octob
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92100212-1	08/29/92	9 Septem	3 Octobe
SW846 - Percent Moisture	NONE	000C	MSRSSN00_101792	08/29/92	17 Octob	17 Octob
Sample ID : 10-DS-02 CONF Field Duplicate						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101213-32	08/29/92	9 Septem	13 Octob
Sample ID : 10-DS-02 MS Matrix Spike						
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192101609100	10/02/92	14 Octob	16 Octob
Sample ID : 10-DS-02 MSD Matrix Spike						
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192101609100	10/02/92	14 Octob	16 Octob
Sample ID : 10-MW-01-01 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_083109-001	07/13/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000D	Z3_082309-003	07/13/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000D	Z1_082008-002	07/13/92	15 August	20 August
SW7471 - Mercury	METHOD	000D	Z3_080618-004	07/13/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000D	Z3_082108-002	07/13/92	15 August	21 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001C	TP-L072320-002	07/13/92	24 July	24 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081814-001	07/13/92	26 July	18 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082413-12	07/13/92	25 July	25 August
SW8240 - Volatile Organics	NONE	001C	450492072513560	07/13/92	26 July	26 July
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292080508200	07/13/92	25 July	5 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000D	LCC92073012-2	07/13/92	24 July	31 July
SW846 - Percent Moisture	NONE	000D	MSRSSN00_072492	07/13/92	24 July	24 July
Sample ID : 10-MW-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082415-12	07/13/92	25 July	25 August
Sample ID : 10-MW-02-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_081010-001	07/12/92	5 August	10 August
SW7060 - Arsenic	DIPSSA00	000B	Z3_081913-001	07/12/92	5 August	19 August
SW7421 - Lead	DIFSSA00	000B	Z2_080709-003	07/12/92	5 August	7 August
SW7471 - Mercury	METHOD	000B	D2_080316-001	07/12/92	3 August	3 August
SW7740 - Selenium	DIFSSA00	000B	Z3_081014-001	07/12/92	5 August	10 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L071808-002	07/12/92	18 July	18 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M081712-001	07/12/92	18 July	18 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082412-14	07/12/92	25 July	25 August
SW8240 - Volatile Organics	NONE	001A	450492072211010	07/12/92	22 July	22 July
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292072310280	07/12/92	18 July	23 July
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92073012-2	07/12/92	24 July	30 July
SW846 - Percent Moisture	NONE	000B	MSRSSN00_072492	07/12/92	24 July	24 July



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 10-MW-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082414-14	07/12/92	25 July	25 August
Sample ID : 10-MW-02-01 MS Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082412-14	07/12/92	25 July	25 August
Sample ID : 10-MW-02-01 MS CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082414-14	07/12/92	25 July	25 August
Sample ID : 10-MW-02-01 MSD Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082412-14	07/12/92	25 July	25 August
Sample ID : 10-MW-02-01 MSD CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082414-14	07/12/92	25 July	25 August
Sample ID : 10-MW-03-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_081010-001	07/11/92	5 August	10 August
SW7060 - Arsenic	DIPSSA00	000B	Z3_081913-001	07/11/92	5 August	19 August
SW7421 - Lead	DIFSSA00	000B	Z2_080709-003	07/11/92	5 August	7 August
SW7471 - Mercury	METHOD	000B	D2_080316-001	07/11/92	3 August	3 August
SW7740 - Selenium	DIFSSA00	000B	Z3_081014-001	07/11/92	5 August	10 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M081712-001	07/11/92	18 July	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L071808-002	07/11/92	18 July	18 July
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082412-14	07/11/92	24 July	25 August
SW8240 - Volatile Organics	NONE	001A	450392072113280	07/11/92	21 July	21 July
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292072310280	07/11/92	18 July	23 July
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92073012-2	07/11/92	24 July	30 July
SW846 - Percent Moisture	NONE	000B	MSRSSN00_072492	07/11/92	24 July	24 July
Sample ID : 10-MW-03-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082414-14	07/11/92	24 July	25 August
Sample ID : 10-SB-01-01 Normal						
SW6010 - Metals	DIPSSA00	000E	JA61_083109-001	07/15/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000E	Z3_082309-003	07/15/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000E	Z1_082008-002	07/15/92	15 August	20 August
SW7471 - Mercury	METHOD	000E	Z3_080618-004	07/15/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000E	Z3_082108-002	07/15/92	15 August	21 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001C	TP-L072801-002	07/15/92	28 July	28 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081814-001	07/15/92	26 July	19 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC892082413-12	07/15/92	25 July	26 August
SW8240 - Volatile Organics	NONE	001C	450192072609340	07/15/92	27 July	27 July
SW8270 - Semivolatile Organics	354SSN00	000E	MSD292080508200	07/15/92	25 July	5 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY.
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000E	LCC92073012-2	07/15/92	24 July	31 July
SW846 - Percent Moisture	NONE	000E	MSRSSN00_072492	07/15/92	24 July	24 July
Sample ID : 10-SB-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC892082415-12	07/15/92	25 July	26 August
Sample ID : 10-SB-01-02 Normal						
SW6010 - Metals	DIPSSA00	000E	JA61_083109-001	07/15/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000E	Z3__082309-003	07/15/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000E	Z1__082008-002	07/15/92	15 August	20 August
SW7471 - Mercury	METHOD	000E	Z3__080618-004	07/15/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000E	Z3__082108-002	07/15/92	15 August	21 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081916-001	07/15/92	26 July	19 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001C	TP-L072801-002	07/15/92	28 July	28 July
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC892082413-12	07/15/92	25 July	26 August
SW8240 - Volatile Organics	NONE	001C	450192072609340	07/15/92	27 July	27 July
SW8270 - Semivolatile Organics	354SSN00	000E	MSD292080508200	07/15/92	25 July	5 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000E	LCC92073012-2	07/15/92	24 July	31 July
SW846 - Percent Moisture	NONE	000E	MSRSSN00_072492	07/15/92	24 July	24 July
Sample ID : 10-SB-01-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000E	GC892082415-12	07/15/92	25 July	26 August
Sample ID : 10-SB-02-01 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_083109-001	07/13/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000D	Z3__082309-003	07/13/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000D	Z1__082008-002	07/13/92	15 August	20 August
SW7471 - Mercury	METHOD	000D	Z3__080618-004	07/13/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000D	Z3__082108-002	07/13/92	15 August	21 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081916-001	07/13/92	26 July	19 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001C	TP-L072801-002	07/13/92	28 July	28 July
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082413-12	07/13/92	25 July	26 August
SW8240 - Volatile Organics	NONE	001C	450492072513560	07/13/92	25 July	25 July
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292080508200	07/13/92	25 July	5 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000D	LCC92073012-2	07/13/92	24 July	31 July
SW846 - Percent Moisture	NONE	000D	MSRSSN00_072492	07/13/92	24 July	24 July
Sample ID : 10-SB-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082415-12	07/13/92	25 July	26 August
Sample ID : 10-SB-02-02 Normal						
SW6010 - Metals	DIPSSA00	000D	JA61_083109-001	07/13/92	24 August	31 August
SW7060 - Arsenic	DIPSSA00	000D	Z3__082309-003	07/13/92	15 August	23 August
SW7421 - Lead	DIFSSA00	000D	Z1__082008-002	07/13/92	15 August	20 August
SW7471 - Mercury	METHOD	000D	Z3__080618-004	07/13/92	6 August	6 August
SW7740 - Selenium	DIFSSA00	000D	Z3__082108-002	07/13/92	15 August	21 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001C	TP-M081814-001	07/13/92	26 July	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001C	TP-L072320-002	07/13/92	24 July	24 July
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082413-12	07/13/92	25 July	25 August
SW8240 - Volatile Organics	NONE	001C	450492072612450	07/13/92	26 July	26 July
SW8270 - Semivolatile Organics	354SSN00	000D	MSD292080508200	07/13/92	25 July	5 August
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000D	LCC92073012-2	07/13/92	24 July	30 July
SW846 - Percent Moisture	NONE	000D	MSRSSN00_072492	07/13/92	24 July	24 July
Sample ID : 10-SB-02-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000D	GC892082415-12	07/13/92	25 July	25 August
Sample ID : 10-SB-03-01 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_081010-001	07/11/92	5 August	10 August
SW7060 - Arsenic	DIPSSA00	000B	Z3_081913-001	07/11/92	5 August	19 August
SW7421 - Lead	DIFSSA00	000B	Z2_080709-003	07/11/92	5 August	7 August
SW7471 - Mercury	METHOD	000B	D2_080316-001	07/11/92	3 August	3 August
SW7740 - Selenium	DIFSSA00	000B	Z3_081014-001	07/11/92	5 August	10 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M081712-001	07/11/92	18 July	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L072012-002	07/11/92	20 July	20 July
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082412-14	07/11/92	24 July	25 August
SW8240 - Volatile Organics	NONE	001A	450492072211010	07/11/92	22 July	22 July
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292072310280	07/11/92	18 July	23 July
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92073012-2	07/11/92	24 July	30 July
SW846 - Percent Moisture	NONE	000B	MSRSSN00_072492	07/11/92	24 July	24 July
Sample ID : 10-SB-03-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082414-14	07/11/92	24 July	25 August
Sample ID : 10-SB-03-02 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_081010-001	07/11/92	5 August	10 August
SW7060 - Arsenic	DIPSSA00	000B	Z3_081913-001	07/11/92	5 August	19 August
SW7421 - Lead	DIFSSA00	000B	Z2_080709-003	07/11/92	5 August	7 August
SW7471 - Mercury	METHOD	000B	D2_080316-001	07/11/92	3 August	3 August
SW7740 - Selenium	DIFSSA00	000B	Z3_081014-001	07/11/92	5 August	10 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L071808-002	07/11/92	18 July	18 July
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M081712-001	07/11/92	18 July	18 August
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082412-14	07/11/92	24 July	25 August
SW8240 - Volatile Organics	NONE	001A	450492072211010	07/11/92	22 July	22 July
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292072310280	07/11/92	18 July	23 July
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92073012-2	07/11/92	24 July	30 July
SW846 - Percent Moisture	NONE	000B	MSRSSN00_072492	07/11/92	24 July	24 July
Sample ID : 10-SB-03-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082414-14	07/11/92	24 July	25 August

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY
Sample ID : 10-SB-03-03 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_081010-001	07/11/92	5 August	10 August
SW7060 - Arsenic	DIPSSA00	000B	Z3__081913-001	07/11/92	5 August	19 August
SW7421 - Lead	DIFSSA00	000B	Z2__080709-003	07/11/92	5 August	7 August
SW7471 - Mercury	METHOD	000B	D2__080316-001	07/11/92	3 August	3 August
SW7740 - Selenium	DIFSSA00	000B	Z3__081014-001	07/11/92	5 August	10 August
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M081712-001	07/11/92	18 July	18 August
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L072012-002	07/11/92	20 July	20 July
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082412-14	07/11/92	24 July	25 August
SW8240 - Volatile Organics	NONE	001A	450492072211010	07/11/92	22 July	22 July
SW8270 - Semivolatile Organics	354SSN00	000B	MSD292072310280	07/11/92	18 July	23 July
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000B	LCC92073012-2	07/11/92	24 July	30 July
SW846 - Percent Moisture	NONE	000B	MSRSSN00_072492	07/11/92	24 July	24 July
Sample ID : 10-SB-03-03 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000B	GC892082414-14	07/11/92	24 July	25 August
Sample ID : 10-SS-01-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_100521-010	08/29/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	000C	Z3__091608-003	08/29/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	000C	Z1__091719-001	08/29/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	000C	Z3__092418-001	08/29/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000C	Z1__091613-002	08/29/92	15 Septe	16 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	011A	TP-L091712-002	09/03/92	17 Septe	17 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	011A	TP-M092312-001	09/03/92	9 Septem	23 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101212-32	08/29/92	9 Septem	13 Octob
SW8240 - Volatile Organics	NONE	011A	450292091407450	09/03/92	14 Septe	14 Septe
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192101609100	10/02/92	14 Octob	16 Octob
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92100212-1	08/29/92	9 Septem	2 Octobe
SW846 - Percent Moisture	NONE	000C	MSRSSN00_101792	08/29/92	17 Octob	17 Octob
Sample ID : 10-SS-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101213-32	08/29/92	9 Septem	13 Octob
Sample ID : 10-SS-01-01 MS Matrix Spike						
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	011A	TP-M092312-001	09/03/92	9 Septem	23 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101212-32	08/29/92	9 Septem	13 Octob
SW8240 - Volatile Organics	NONE	011A	450292091407450	09/03/92	14 Septe	14 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92100212-1	08/29/92	9 Septem	2 Octobe
Sample ID : 10-SS-01-01 MS CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101213-32	08/29/92	9 Septem	13 Octob

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
Sample ID : 10-SS-01-01 MSD Matrix Spike						
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	011A	TP-M092312-001	09/03/92	9 Septem	23 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101212-32	08/29/92	9 Septem	13 Octob
SW8240 - Volatile Organics	NONE	011A	450292091407450	09/03/92	14 Septe	14 Septe
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92100212-1	08/29/92	9 Septem	2 Octobe
Sample ID : 10-SS-01-01 MSD CONF Matrix Spike						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101213-32	08/29/92	9 Septem	13 Octob
Sample ID : 10-SS-02-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_100521-010	08/29/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	000C	Z3__091608-003	08/29/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	000C	Z1__091719-001	08/29/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	000C	Z3__092418-001	08/29/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000C	Z1__091613-002	08/29/92	15 Septe	16 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	011A	TP-L091712-002	09/03/92	17 Septe	17 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	011A	TP-M092312-001	09/03/92	9 Septem	24 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101212-32	08/29/92	9 Septem	13 Octob
SW8240 - Volatile Organics	NONE	011A	450392091108290	09/03/92	11 Septe	11 Septe
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192101609100	10/02/92	14 Octob	16 Octob
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92100212-1	08/29/92	9 Septem	2 Octobe
SW846 - Percent Moisture	NONE	000C	MSRSSN00_101792	08/29/92	17 Octob	17 Octob
Sample ID : 10-SS-02-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101213-32	08/29/92	9 Septem	13 Octob
Sample ID : 10-SS-02-01 MS Matrix Spike						
SW8240 - Volatile Organics	NONE	011A	450392091108290	09/03/92	11 Septe	11 Septe
Sample ID : 10-SS-02-01 MSD Matrix Spike						
SW8240 - Volatile Organics	NONE	011A	450392091108290	09/03/92	11 Septe	11 Septe
Sample ID : 10-SS-03-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_100521-010	08/29/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	000C	Z3__091608-003	08/29/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	000C	Z1__091719-001	08/29/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	000C	Z3__092418-001	08/29/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000C	Z1__091613-002	08/29/92	15 Septe	16 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	011A	TP-M092312-001	09/03/92	9 Septem	24 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	011A	TP-L091712-002	09/03/92	17 Septe	17 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101212-32	08/29/92	9 Septem	13 Octob
SW8240 - Volatile Organics	NONE	011A	450392091108290	09/03/92	11 Septe	11 Septe
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192101609100	10/02/92	14 Octob	16 Octob
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92100212-1	08/29/92	9 Septem	3 Octobe

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALY
SW846 - Percent Moisture	NONE	000C	MSRSSN00_101792	08/29/92	17 Octob	17 Octob
Sample ID : 10-SS-03-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101213-32	08/29/92	9 Septem	13 Octob
Sample ID : 10-SS-04-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_100521-010	08/29/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	000C	Z3__091608-003	08/29/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	000C	Z1__091719-001	08/29/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	000C	Z3__092418-001	08/29/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000C	Z1__091613-002	08/29/92	15 Septe	16 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	011A	TP-L091712-002	09/03/92	17 Septe	17 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	011A	TP-M100810-001	09/03/92	9 Septem	8 Octobe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101212-32	08/29/92	9 Septem	13 Octob
SW8240 - Volatile Organics	NONE	011A	450392091108290	09/03/92	11 Septe	11 Septe
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192101609100	10/02/92	14 Octob	16 Octob
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92100212-1	08/29/92	9 Septem	3 Octobe
SW846 - Percent Moisture	NONE	000C	MSRSSN00_101792	08/29/92	17 Octob	17 Octob
Sample ID : 10-SS-04-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101213-32	08/29/92	9 Septem	13 Octob
Sample ID : 10-SS-05-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_100521-010	08/30/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	000C	Z3__091608-003	08/30/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	000C	Z1__091719-001	08/30/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	000C	Z3__092418-001	08/30/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000C	Z1__091613-002	08/30/92	15 Septe	16 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	011A	TP-L091712-002	09/03/92	17 Septe	17 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	011A	TP-M092312-001	09/03/92	9 Septem	24 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101212-32	08/30/92	9 Septem	13 Octob
SW8240 - Volatile Organics	NONE	011A	450392091108290	09/03/92	11 Septe	11 Septe
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192101609100	10/02/92	14 Octob	16 Octob
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92100212-1	08/30/92	9 Septem	3 Octobe
SW846 - Percent Moisture	NONE	000C	MSRSSN00_101792	08/30/92	17 Octob	17 Octob
Sample ID : 10-SS-05-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101213-32	08/30/92	9 Septem	13 Octob
Sample ID : 10-SS-06-01 Normal						
SW6010 - Metals	DIPSSA00	000C	JA61_100521-010	08/29/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	000C	Z3__091608-003	08/29/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	000C	Z1__091719-001	08/29/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	000C	Z3__092418-001	08/29/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000C	Z1__091613-002	08/29/92	15 Septe	16 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	011A	TP-M092312-001	09/03/92	9 Septem	24 Septe

TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	011A	TP-L091712-002	09/03/92	17 Septe	17 Septe
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101212-32	08/29/92	9 Septem	13 Octob
SW8240 - Volatile Organics	NONE	011A	450392091108290	09/03/92	11 Septe	11 Septe
SW8270 - Semivolatile Organics	354SSN00	001A	MSD192101609100	10/02/92	14 Octob	16 Octob
SW8310 - Polynuclear Aromatic Hydrocarbons	354SSN00	000C	LCC92100212-1	08/29/92	9 Septem	3 Octobe
SW846 - Percent Moisture	NONE	000C	MSRSSN00_101792	08/29/92	17 Octob	17 Octob
Sample ID : 10-SS-06-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000C	GC692101213-32	08/29/92	9 Septem	13 Octob
Sample ID : 11-DS-01 Field Duplicate						
SW6010 - Metals	DIPSSA00	000D	JA61_092410-001	08/02/92	31 Augus	24 Septe
SW7060 - Arsenic	DIPSSA00	000D	Z3__090214-001	08/02/92	31 Augus	2 Septem
SW7421 - Lead	DIFSSA00	000D	Z1__090908-001	08/02/92	31 Augus	9 Septem
SW7471 - Mercury	METHOD	000D	Z3__082017-005	08/02/92	20 Augus	20 Augus
SW7740 - Selenium	DIFSSA00	000D	Z3__090310-001	08/02/92	31 Augus	3 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081319-002	08/02/92	14 Augus	14 Augus
SW8240 - Volatile Organics	NONE	001B	450492081310530	08/02/92	13 Augus	13 Augus
SW846 - Percent Moisture	NONE	000D	MSRSSN00_081792	08/02/92	17 Augus	17 Augus
Sample ID : 11-SB-01-01 Normal						
SW6010 - Metals	DIPSSA00	000G	JA61_082816-010	07/16/92	21 Augus	28 Augus
SW7060 - Arsenic	DIPSSA00	000G	Z3__082508-002	07/16/92	21 Augus	25 Augus
SW7421 - Lead	DIFSSA00	000G	Z1__082315-001	07/16/92	21 Augus	23 Augus
SW7471 - Mercury	METHOD	000G	D2__081016-001	07/16/92	10 Augus	10 Augus
SW7740 - Selenium	DIFSSA00	000G	Z1__082517-002	07/16/92	21 Augus	25 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001F	TP-M083117-001	07/16/92	29 July	1 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001F	TP-L072801-002	07/16/92	28 July	28 July
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090216-13	07/16/92	29 July	5 Septem
SW8240 - Volatile Organics	NONE	001F	450192072907480	07/16/92	29 July	29 July
SW8270 - Semivolatile Organics	354SSN00	000G	MSD292081008350	07/16/92	29 July	10 Augus
SW846 - Percent Moisture	NONE	000G	MSRSSN00_072492	07/16/92	24 July	24 July
Sample ID : 11-SB-01-01 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090217-13	07/16/92	29 July	5 Septem
Sample ID : 11-SB-01-02 Normal						
SW6010 - Metals	DIPSSA00	000G	JA61_082816-010	07/16/92	21 Augus	28 Augus
SW7060 - Arsenic	DIPSSA00	000G	Z3__082508-002	07/16/92	21 Augus	25 Augus
SW7421 - Lead	DIFSSA00	000G	Z1__082315-001	07/16/92	21 Augus	23 Augus
SW7471 - Mercury	METHOD	000G	D2__081016-001	07/16/92	10 Augus	10 Augus
SW7740 - Selenium	DIFSSA00	000G	Z1__082517-002	07/16/92	21 Augus	25 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	355SSN00	001F	TP-M083016-001	07/16/92	30 July	31 Augus
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001F	TP-L072801-002	07/16/92	28 July	28 July
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090216-13	07/16/92	29 July	5 Septem
SW8240 - Volatile Organics	NONE	001F	450192072907480	07/16/92	29 July	29 July
SW8270 - Semivolatile Organics	354SSN00	000G	MSD292081008350	07/16/92	29 July	10 Augus



TABLE A-4

DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYSED
SW846 - Percent Moisture	NONE	000G	MSRSSN00_072492	07/16/92	24 July	24 July
Sample ID : 11-SB-01-02 CONF Normal						
SW8080 - Organochlorine Pesticides and PCBs	354SSN00	000G	GC192090217-13	07/16/92	29 July	5 Septem
Sample ID : 11-SB-01-02 MS Matrix Spike						
SW8015MEMP - Nonhalogenated Volatile Organics	355SSN00	001F	TP-M083016-001	07/16/92	30 July	31 August
Sample ID : 11-SB-01-02 MSD Matrix Spike						
SW8015MEMP - Nonhalogenated Volatile Organics	355SSN00	001F	TP-M083016-001	07/16/92	30 July	31 August
Sample ID : 11-SS-01-01 Normal						
SW6010 - Metals	DIPSSA00	000E	JA61_092410-001	08/05/92	31 August	24 Septe
SW6010 - Metals	DIPSSA00	000E	JA61_092716-001	08/05/92	2 Septem	27 Septe
SW7060 - Arsenic	DIPSSA00	000E	Z3__090214-001	08/05/92	31 August	2 Septem
SW7060 - Arsenic	DIPSSA00	000E	Z3__090813-002	08/05/92	2 Septem	8 Septem
SW7421 - Lead	DIFSSA00	000E	Z1__090908-001	08/05/92	31 August	9 Septem
SW7421 - Lead	DIFSSA00	000E	Z1__091417-002	08/05/92	2 Septem	14 Septe
SW7471 - Mercury	METHOD	000E	Z3__082017-005	08/05/92	20 August	20 August
SW7471 - Mercury	METHOD	000E	D2__082413-001	08/05/92	24 August	24 August
SW7740 - Selenium	DIFSSA00	000E	Z3__090310-001	08/05/92	31 August	3 Septe
SW7740 - Selenium	DIFSSA00	000E	Z2__091108-001	08/05/92	2 Septem	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001B	TP-M091017-001	08/02/92	10 August	11 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001B	TP-L081319-002	08/02/92	14 August	14 August
SW8240 - Volatile Organics	NONE	001B	450492081310530	08/02/92	13 August	13 August
SW8270 - Semivolatile Organics	354SSN00	000E	MSD192082911430	08/05/92	11 August	29 August
SW846 - Percent Moisture	NONE	000E	MSRSSN00_081792	08/05/92	17 August	17 August
Sample ID : 11-SS-01-01 MS Matrix Spike						
SW8270 - Semivolatile Organics	354SSN00	000E	MSD192082911430	08/05/92	11 August	29 August
Sample ID : 11-SS-01-01 MSD Matrix Spike						
SW8270 - Semivolatile Organics	354SSN00	000E	MSD192082911430	08/05/92	11 August	29 August
Sample ID : 12-MW-01-02 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_100521-010	08/27/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__091608-003	08/27/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	000B	Z1__091719-001	08/27/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	000B	Z3__092418-001	08/27/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000B	Z1__091613-002	08/27/92	15 Septe	16 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L090801-002	08/27/92	9 Septem	9 Septem
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092312-001	08/27/92	9 Septem	24 Septe
SW8240 - Volatile Organics	NONE	001A	450392090308420	08/27/92	3 Septem	3 Septe
SW8270 - Semivolatile Organics	355SSN00	000B	MSD192101413560	08/27/92	10 Septe	14 Octob
SW846 - Percent Moisture	NONE	001A	MSRSSN00_090592	08/27/92	5 Septem	5 Septem



TABLE A-4

## DATE AND BATCH SUMMARY, SOIL SAMPLES, GALENA 1992 EVENT

METHOD	PREPARATION CODE	FIELD BATCH ID	ANALYTICAL BATCH ID	DATE COLLECTED	DATE PREPARED	DATE ANALYZED
-----						
Sample ID : 12-MW-02-02 Normal						
SW6010 - Metals	DIPSSA00	000B	JA61_100521-010	08/27/92	15 Septe	5 Octobe
SW7060 - Arsenic	DIPSSA00	000B	Z3__091608-003	08/27/92	15 Septe	16 Septe
SW7421 - Lead	DIFSSA00	000B	Z1__091719-001	08/27/92	15 Septe	17 Septe
SW7471 - Mercury	METHOD	000B	Z3__092418-001	08/27/92	24 Septe	24 Septe
SW7740 - Selenium	DIFSSA00	000B	Z1__091613-002	08/27/92	15 Septe	16 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	354SSN00	001A	TP-M092312-001	08/27/92	9 Septem	24 Septe
SW8015MEMP - Nonhalogenated Volatile Organics	NONE	001A	TP-L090801-002	08/27/92	9 Septem	9 Septem
SW8240 - Volatile Organics	NONE	001A	450392090308420	08/27/92	3 Septem	3 Septem
SW8270 - Semivolatile Organics	355SSN00	000B	MSD192101413560	08/27/92	10 Septe	14 Octob
SW846 - Percent Moisture	NONE	000B	MSRSSN00_090592	08/27/92	5 Septem	5 Septem
Sample ID : 12-MW-02-02 MS Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	001A	TP-L090801-002	08/27/92	9 Septem	9 Septem
Sample ID : 12-MW-02-02 MSD Matrix Spike						
SW8015 - Nonhalogenated Volatile Organics	NONE	001A	TP-L090801-002	08/27/92	9 Septem	9 Septem
-----						

**ATTACHMENT A - APPENDIX B**

**Table A-5**

**Detailed Listing of Blank Results - 1992 Water Samples**

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : E160.1					
Analyte : Total dissolved solids					
Type of Blank : Equipment Blank					
4 September 1992		11	10	mg/L	1.000000
Total Number of Blanks = 1		Concentration Range 11.0 - 11.0			
Total Number above Reporting Limit = 1		Maximum Reporting Limit =			
Method : E160.1					
Analyte : Total dissolved solids					
Type of Blank : Method Blank					
30 July 1992		ND	10	mg/L	1.000000
3 August 1992		ND	10	mg/L	1.000000
4 September 1992		ND	10	mg/L	1.000000
11 September 1992		ND	10	mg/L	1.000000
15 September 1992		ND	10	mg/L	1.000000
17 September 1992		ND	10	mg/L	1.000000
23 September 1992		ND	10	mg/L	1.000000
8 October 1992		ND	10	mg/L	1.000000
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 10			
Method : E245.1					
Analyte : Mercury					
Type of Blank : Method Blank					
24 August 1992	D2082413-36	ND	0.00018	mg/L	1
Total Number of Blanks = 1		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.00018			
Method : SW6010					
Analyte : Aluminum					
Type of Blank : Equipment Blank					
11 September 1992	JA610911-55	ND	0.2	mg/L	1
11 September 1992	JA610911-56	ND	0.2	mg/L	1
11 September 1992	JA610910-73	ND	0.2	mg/L	1
11 September 1992	JA610911-54	ND	0.2	mg/L	1
4 October 1992	JA611004-68	ND	0.2	mg/L	1
4 October 1992	JA611004-67	ND	0.2	mg/L	1
4 October 1992	JA611004-56	ND	0.2	mg/L	1
4 October 1992	JA611004-53	ND	0.2	mg/L	1
5 October 1992	JA611005-71	ND	0.2	mg/L	1
6 October 1992	JA611005-72	ND	0.2	mg/L	1
15 October 1992	JA611015-30	ND	0.2	mg/L	1
28 October 1992	JA611028-21	ND	0.2	mg/L	1
Total Number of Blanks = 12		Concentration Range NC			

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW6010					
Analyte : Aluminum, cont.					
Type of Blank : Equipment Blank					
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.2		
Method : SW6010					
Analyte : Aluminum					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.2	mg/L	1
11 September 1992	JA610911-23	ND	0.2	mg/L	1
16 September 1992	JA610916-35	ND	0.2	mg/L	1
4 October 1992	JA611004-50	ND	0.2	mg/L	1
5 October 1992	JA611005-53	ND	0.2	mg/L	1
6 October 1992	JA611005-53	ND	0.2	mg/L	1
9 October 1992	JA611009-16	ND	0.2	mg/L	1
11 October 1992	JA611011-15	ND	0.2	mg/L	1
11 October 1992	JA611011-45	ND	0.2	mg/L	1
15 October 1992	JA611015-15	ND	0.2	mg/L	1
16 October 1992	JA611018-20	ND	0.2	mg/L	1
18 October 1992	JA611018-20	ND	0.2	mg/L	1
28 October 1992	JA611028-64	ND	0.2	mg/L	1
28 October 1992	JA611028-44	ND	0.2	mg/L	1
28 October 1992	JA611028-16	ND	0.2	mg/L	1
5 November 1992	JA611105-16	ND	0.2	mg/L	1
11 November 1992	JA611111-16	ND	0.2	mg/L	1
-----					
Total Number of Blanks = 17			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.2		
Method : SW6010					
Analyte : Antimony					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.1	mg/L	1
11 September 1992	JA610911-55	ND	0.1	mg/L	1
11 September 1992	JA610911-56	ND	0.1	mg/L	1
11 September 1992	JA610911-54	ND	0.1	mg/L	1
4 October 1992	JA611004-68	ND	0.1	mg/L	1
4 October 1992	JA611004-67	ND	0.1	mg/L	1
4 October 1992	JA611004-56	ND	0.1	mg/L	1
4 October 1992	JA611004-53	ND	0.1	mg/L	1
5 October 1992	JA611005-71	ND	0.1	mg/L	1
6 October 1992	JA611005-72	ND	0.1	mg/L	1
15 October 1992	JA611015-30	ND	0.1	mg/L	1
28 October 1992	JA611028-21	ND	0.1	mg/L	1
-----					
Total Number of Blanks = 12			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.1		

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW6010					
Analyte : Antimony					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.1	mg/L	1
11 September 1992	JA610911-23	ND	0.1	mg/L	1
16 September 1992	JA610916-35	ND	0.1	mg/L	1
4 October 1992	JA611004-50	ND	0.1	mg/L	1
5 October 1992	JA611005-53	ND	0.1	mg/L	1
6 October 1992	JA611005-53	ND	0.1	mg/L	1
9 October 1992	JA611009-16	ND	0.1	mg/L	1
11 October 1992	JA611011-15	ND	0.1	mg/L	1
11 October 1992	JA611011-45	ND	0.1	mg/L	1
15 October 1992	JA611015-15	ND	0.1	mg/L	1
16 October 1992	JA611018-20	ND	0.1	mg/L	1
18 October 1992	JA611018-20	ND	0.1	mg/L	1
28 October 1992	JA611028-16	ND	0.1	mg/L	1
28 October 1992	JA611028-64	ND	0.1	mg/L	1
28 October 1992	JA611028-44	ND	0.1	mg/L	1
5 November 1992	JA611105-16	ND	0.1	mg/L	1
11 November 1992	JA611111-16	ND	0.1	mg/L	1

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.1

Method : SW6010  
 Analyte : Arsenic  
 Type of Blank : Equipment Blank

11 September 1992	JA610910-73	ND	0.3	mg/L	1
11 September 1992	JA610911-56	ND	0.3	mg/L	1
11 September 1992	JA610911-55	ND	0.3	mg/L	1
11 September 1992	JA610911-54	ND	0.3	mg/L	1
4 October 1992	JA611004-56	ND	0.3	mg/L	1
4 October 1992	JA611004-67	ND	0.3	mg/L	1
4 October 1992	JA611004-68	ND	0.3	mg/L	1
4 October 1992	JA611004-53	ND	0.3	mg/L	1
5 October 1992	JA611005-71	ND	0.3	mg/L	1
6 October 1992	JA611005-72	ND	0.3	mg/L	1
15 October 1992	JA611015-30	ND	0.3	mg/L	1
28 October 1992	JA611028-21	ND	0.3	mg/L	1

Total Number of Blanks = 12

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.3

Method : SW6010  
 Analyte : Arsenic  
 Type of Blank : Method Blank

11 September 1992	JA610910-56	ND	0.3	mg/L	1
11 September 1992	JA610910-56	ND	0.3	mg/L	1
11 September 1992	JA610911-23	ND	0.3	mg/L	1
16 September 1992	JA610916-35	ND	0.3	mg/L	1

TABLE A-5

DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW6010					
Analyte : Arsenic, cont.					
Type of Blank : Method Blank					
4 October 1992	JA611004-50	ND	0.3	mg/L	1
5 October 1992	JA611005-53	ND	0.3	mg/L	1
6 October 1992	JA611005-53	ND	0.3	mg/L	1
9 October 1992	JA611009-16	ND	0.3	mg/L	1
11 October 1992	JA611011-15	ND	0.3	mg/L	1
11 October 1992	JA611011-45	ND	0.3	mg/L	1
15 October 1992	JA611015-15	ND	0.3	mg/L	1
16 October 1992	JA611018-20	ND	0.3	mg/L	1
18 October 1992	JA611018-20	ND	0.3	mg/L	1
28 October 1992	JA611028-16	ND	0.3	mg/L	1
28 October 1992	JA611028-44	ND	0.3	mg/L	1
28 October 1992	JA611028-64	ND	0.3	mg/L	1
5 November 1992	JA611105-16	ND	0.3	mg/L	1
11 November 1992	JA611111-16	ND	0.3	mg/L	1

Total Number of Blanks = 18

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.3

Method : SW6010					
Analyte : Barium					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.01	mg/L	1
11 September 1992	JA610911-55	ND	0.01	mg/L	1
11 September 1992	JA610911-56	ND	0.01	mg/L	1
11 September 1992	JA610911-54	ND	0.01	mg/L	1
4 October 1992	JA611004-67	ND	0.01	mg/L	1
4 October 1992	JA611004-68	ND	0.01	mg/L	1
4 October 1992	JA611004-56	ND	0.01	mg/L	1
4 October 1992	JA611004-53	ND	0.01	mg/L	1
5 October 1992	JA611005-71	ND	0.01	mg/L	1
6 October 1992	JA611005-72	ND	0.01	mg/L	1
15 October 1992	JA611015-30	ND	0.01	mg/L	1
28 October 1992	JA611028-21	ND	0.01	mg/L	1

Total Number of Blanks = 12

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.01

Method : SW6010					
Analyte : Barium					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.01	mg/L	1
11 September 1992	JA610910-56	ND	0.01	mg/L	1
11 September 1992	JA610911-23	ND	0.01	mg/L	1
16 September 1992	JA610916-35	ND	0.01	mg/L	1
4 October 1992	JA611004-50	ND	0.01	mg/L	1
5 October 1992	JA611005-53	ND	0.01	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW6010					
Analyte : Barium, cont.					
Type of Blank : Method Blank					
6 October 1992	JA611005-53	ND	0.01	mg/L	1
9 October 1992	JA611009-16	ND	0.01	mg/L	1
11 October 1992	JA611011-15	ND	0.01	mg/L	1
11 October 1992	JA611011-45	ND	0.01	mg/L	1
15 October 1992	JA611015-15	ND	0.01	mg/L	1
16 October 1992	JA611018-20	ND	0.01	mg/L	1
18 October 1992	JA611018-20	ND	0.01	mg/L	1
28 October 1992	JA611028-16	ND	0.01	mg/L	1
28 October 1992	JA611028-64	ND	0.01	mg/L	1
28 October 1992	JA611028-44	ND	0.01	mg/L	1
5 November 1992	JA611105-16	ND	0.01	mg/L	1
11 November 1992	JA611111-16	ND	0.01	mg/L	1
-----					
Total Number of Blanks = 18		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.01			
Method : SW6010					
Analyte : Beryllium					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.002	mg/L	1
11 September 1992	JA610911-55	ND	0.002	mg/L	1
11 September 1992	JA610911-56	ND	0.002	mg/L	1
11 September 1992	JA610911-54	ND	0.002	mg/L	1
4 October 1992	JA611004-68	ND	0.002	mg/L	1
4 October 1992	JA611004-56	ND	0.002	mg/L	1
4 October 1992	JA611004-67	ND	0.002	mg/L	1
4 October 1992	JA611004-53	ND	0.002	mg/L	1
5 October 1992	JA611005-71	ND	0.002	mg/L	1
6 October 1992	JA611005-72	ND	0.002	mg/L	1
15 October 1992	JA611015-30	ND	0.002	mg/L	1
28 October 1992	JA611028-21	ND	0.002	mg/L	1
-----					
Total Number of Blanks = 12		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.002			
Method : SW6010					
Analyte : Beryllium					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.002	mg/L	1
11 September 1992	JA610911-23	ND	0.002	mg/L	1
16 September 1992	JA610916-35	ND	0.002	mg/L	1
4 October 1992	JA611004-50	ND	0.002	mg/L	1
5 October 1992	JA611005-53	ND	0.002	mg/L	1
6 October 1992	JA611005-53	ND	0.002	mg/L	1
9 October 1992	JA611009-16	ND	0.002	mg/L	1
11 October 1992	JA611011-15	ND	0.002	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW6010					
Analyte : Beryllium, cont.					
Type of Blank : Method Blank					
11 October 1992	JA611011-45	ND	0.002	mg/L	1
15 October 1992	JA611015-15	ND	0.002	mg/L	1
16 October 1992	JA611018-20	ND	0.002	mg/L	1
18 October 1992	JA611018-20	ND	0.002	mg/L	1
28 October 1992	JA611028-16	ND	0.002	mg/L	1
28 October 1992	JA611028-44	ND	0.002	mg/L	1
28 October 1992	JA611028-64	ND	0.002	mg/L	1
5 November 1992	JA611105-16	ND	0.002	mg/L	1
11 November 1992	JA611111-16	ND	0.002	mg/L	1
Total Number of Blanks = 17			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.002		
Method : SW6010					
Analyte : Cadmium					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.005	mg/L	1
11 September 1992	JA610911-56	ND	0.005	mg/L	1
11 September 1992	JA610911-55	ND	0.005	mg/L	1
11 September 1992	JA610911-54	ND	0.005	mg/L	1
4 October 1992	JA611004-56	ND	0.005	mg/L	1
4 October 1992	JA611004-68	ND	0.005	mg/L	1
4 October 1992	JA611004-67	ND	0.005	mg/L	1
4 October 1992	JA611004-53	ND	0.005	mg/L	1
5 October 1992	JA611005-71	ND	0.005	mg/L	1
6 October 1992	JA611005-72	ND	0.005	mg/L	1
15 October 1992	JA611015-30	ND	0.005	mg/L	1
28 October 1992	JA611028-21	ND	0.005	mg/L	1
Total Number of Blanks = 12			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.005		
Method : SW6010					
Analyte : Cadmium					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.005	mg/L	1
11 September 1992	JA610910-56	ND	0.005	mg/L	1
11 September 1992	JA610911-23	ND	0.005	mg/L	1
16 September 1992	JA610916-35	ND	0.005	mg/L	1
4 October 1992	JA611004-50	ND	0.005	mg/L	1
5 October 1992	JA611005-53	ND	0.005	mg/L	1
6 October 1992	JA611005-53	ND	0.005	mg/L	1
9 October 1992	JA611009-16	ND	0.005	mg/L	1
11 October 1992	JA611011-15	ND	0.005	mg/L	1
11 October 1992	JA611011-45	ND	0.005	mg/L	1
15 October 1992	JA611015-15	ND	0.005	mg/L	1



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Cadmium, cont.					
Type of Blank : Method Blank					
16 October 1992	JA611018-20	ND	0.005	mg/L	1
18 October 1992	JA611018-20	ND	0.005	mg/L	1
28 October 1992	JA611028-64	ND	0.005	mg/L	1
28 October 1992	JA611028-16	ND	0.005	mg/L	1
28 October 1992	JA611028-44	ND	0.005	mg/L	1
5 November 1992	JA611105-16	ND	0.005	mg/L	1
11 November 1992	JA611111-16	ND	0.005	mg/L	1

Total Number of Blanks = 18

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.005

Method : SW6010  
 Analyte : Calcium  
 Type of Blank : Equipment Blank

11 September 1992	JA610910-73	ND	1	mg/L	1
11 September 1992	JA610911-56	ND	1	mg/L	1
11 September 1992	JA610911-55	ND	1	mg/L	1
11 September 1992	JA610911-54	ND	1	mg/L	1
4 October 1992	JA611004-67	ND	1	mg/L	1
4 October 1992	JA611004-56	ND	1	mg/L	1
4 October 1992	JA611004-68	ND	1	mg/L	1
4 October 1992	JA611004-53	ND	1	mg/L	1
5 October 1992	JA611005-71	ND	1	mg/L	1
6 October 1992	JA611005-72	ND	1	mg/L	1
15 October 1992	JA611015-30	ND	1	mg/L	1
28 October 1992	JA611028-21	ND	1	mg/L	1

Total Number of Blanks = 12

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1

Method : SW6010  
 Analyte : Calcium  
 Type of Blank : Method Blank

11 September 1992	JA610910-56	ND	1	mg/L	1
11 September 1992	JA610911-23	ND	1	mg/L	1
16 September 1992	JA610916-35	ND	1	mg/L	1
4 October 1992	JA611004-50	ND	1	mg/L	1
5 October 1992	JA611005-53	ND	1	mg/L	1
6 October 1992	JA611005-53	ND	1	mg/L	1
9 October 1992	JA611009-16	ND	1	mg/L	1
11 October 1992	JA611011-15	ND	1	mg/L	1
11 October 1992	JA611011-45	ND	1	mg/L	1
15 October 1992	JA611015-15	ND	1	mg/L	1
16 October 1992	JA611018-20	ND	1	mg/L	1
18 October 1992	JA611018-20	ND	1	mg/L	1
28 October 1992	JA611028-16	ND	1	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW6010					
Analyte : Calcium, cont.					
Type of Blank : Method Blank					
28 October 1992	JA611028-44	ND	1	mg/L	1
28 October 1992	JA611028-64	ND	1	mg/L	1
5 November 1992	JA611105-16	ND	1	mg/L	1
11 November 1992	JA611111-16	ND	1	mg/L	1
-----					
Total Number of Blanks = 17		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 1			
Method : SW6010					
Analyte : Chromium					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.01	mg/L	1
11 September 1992	JA610911-55	ND	0.01	mg/L	1
11 September 1992	JA610911-56	ND	0.01	mg/L	1
11 September 1992	JA610911-54	ND	0.01	mg/L	1
4 October 1992	JA611004-68	ND	0.01	mg/L	1
4 October 1992	JA611004-56	ND	0.01	mg/L	1
4 October 1992	JA611004-67	ND	0.01	mg/L	1
4 October 1992	JA611004-53	ND	0.01	mg/L	1
5 October 1992	JA611005-71	ND	0.01	mg/L	1
6 October 1992	JA611005-72	ND	0.01	mg/L	1
15 October 1992	JA611015-30	ND	0.01	mg/L	1
28 October 1992	JA611028-21	ND	0.01	mg/L	1
-----					
Total Number of Blanks = 12		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.01			
Method : SW6010					
Analyte : Chromium					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.01	mg/L	1
11 September 1992	JA610910-56	ND	0.01	mg/L	1
11 September 1992	JA610911-23	ND	0.01	mg/L	1
16 September 1992	JA610916-35	ND	0.01	mg/L	1
4 October 1992	JA611004-50	ND	0.01	mg/L	1
5 October 1992	JA611005-53	ND	0.01	mg/L	1
6 October 1992	JA611005-53	ND	0.01	mg/L	1
9 October 1992	JA611009-16	ND	0.01	mg/L	1
11 October 1992	JA611011-15	ND	0.01	mg/L	1
11 October 1992	JA611011-45	ND	0.01	mg/L	1
15 October 1992	JA611015-15	ND	0.01	mg/L	1
16 October 1992	JA611018-20	ND	0.01	mg/L	1
18 October 1992	JA611018-20	ND	0.01	mg/L	1
28 October 1992	JA611028-16	ND	0.01	mg/L	1
28 October 1992	JA611028-44	ND	0.01	mg/L	1
28 October 1992	JA611028-64	ND	0.01	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW6010					
Analyte : Chromium, cont.					
Type of Blank : Method Blank					
5 November 1992	JA611105-16	ND	0.01	mg/L	1
11 November 1992	JA611111-16	ND	0.01	mg/L	1
-----					
Total Number of Blanks = 18		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.01			
Method : SW6010					
Analyte : Cobalt					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.01	mg/L	1
11 September 1992	JA610911-56	ND	0.01	mg/L	1
11 September 1992	JA610911-55	ND	0.01	mg/L	1
11 September 1992	JA610911-54	ND	0.01	mg/L	1
4 October 1992	JA611004-56	ND	0.01	mg/L	1
4 October 1992	JA611004-67	ND	0.01	mg/L	1
4 October 1992	JA611004-68	ND	0.01	mg/L	1
4 October 1992	JA611004-53	ND	0.01	mg/L	1
5 October 1992	JA611005-71	ND	0.01	mg/L	1
6 October 1992	JA611005-72	ND	0.01	mg/L	1
15 October 1992	JA611015-30	ND	0.01	mg/L	1
28 October 1992	JA611028-21	ND	0.01	mg/L	1
-----					
Total Number of Blanks = 12		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.01			
Method : SW6010					
Analyte : Cobalt					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.01	mg/L	1
11 September 1992	JA610911-23	ND	0.01	mg/L	1
16 September 1992	JA610916-35	ND	0.01	mg/L	1
4 October 1992	JA611004-50	ND	0.01	mg/L	1
5 October 1992	JA611005-53	ND	0.01	mg/L	1
6 October 1992	JA611005-53	ND	0.01	mg/L	1
9 October 1992	JA611009-16	ND	0.01	mg/L	1
11 October 1992	JA611011-45	ND	0.01	mg/L	1
11 October 1992	JA611011-15	ND	0.01	mg/L	1
15 October 1992	JA611015-15	ND	0.01	mg/L	1
16 October 1992	JA611018-20	ND	0.01	mg/L	1
18 October 1992	JA611018-20	ND	0.01	mg/L	1
28 October 1992	JA611028-44	ND	0.01	mg/L	1
28 October 1992	JA611028-16	ND	0.01	mg/L	1
28 October 1992	JA611028-64	ND	0.01	mg/L	1
5 November 1992	JA611105-16	ND	0.01	mg/L	1
11 November 1992	JA611111-16	ND	0.01	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW6010 Analyte : Cobalt, cont. Type of Blank : Method Blank Total Number of Blanks = 17 Total Number above Reporting Limit = 0					
			Concentration Range	NC	
			Maximum Reporting Limit	= 0.01	
Method : SW6010 Analyte : Copper Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.02	mg/L	1
11 September 1992	JA610911-56	ND	0.02	mg/L	1
11 September 1992	JA610911-55	ND	0.02	mg/L	1
11 September 1992	JA610911-54	0.02	0.02	mg/L	1
4 October 1992	JA611004-56	ND	0.02	mg/L	1
4 October 1992	JA611004-67	ND	0.02	mg/L	1
4 October 1992	JA611004-53	0.02	0.02	mg/L	1
4 October 1992	JA611004-68	ND	0.02	mg/L	1
5 October 1992	JA611005-71	ND	0.02	mg/L	1
6 October 1992	JA611005-72	ND	0.02	mg/L	1
15 October 1992	JA611015-30	ND	0.02	mg/L	1
28 October 1992	JA611028-21	ND	0.02	mg/L	1
-----					
Total Number of Blanks = 12			Concentration Range	0.020 - 0.020	
Total Number above Reporting Limit = 2			Maximum Reporting Limit	= 0.02	
Method : SW6010 Analyte : Copper Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.02	mg/L	1
11 September 1992	JA610911-23	ND	0.02	mg/L	1
16 September 1992	JA610916-35	ND	0.02	mg/L	1
4 October 1992	JA611004-50	ND	0.02	mg/L	1
5 October 1992	JA611005-53	ND	0.02	mg/L	1
6 October 1992	JA611005-53	ND	0.02	mg/L	1
9 October 1992	JA611009-16	ND	0.02	mg/L	1
11 October 1992	JA611011-15	ND	0.02	mg/L	1
11 October 1992	JA611011-45	ND	0.02	mg/L	1
15 October 1992	JA611015-15	ND	0.02	mg/L	1
16 October 1992	JA611018-20	ND	0.02	mg/L	1
18 October 1992	JA611018-20	ND	0.02	mg/L	1
28 October 1992	JA611028-16	ND	0.02	mg/L	1
28 October 1992	JA611028-44	ND	0.02	mg/L	1
28 October 1992	JA611028-64	ND	0.02	mg/L	1
5 November 1992	JA611105-16	ND	0.02	mg/L	1
11 November 1992	JA611111-16	ND	0.02	mg/L	1
-----					
Total Number of Blanks = 17			Concentration Range	NC	
Total Number above Reporting Limit = 0			Maximum Reporting Limit	= 0.02	

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Iron					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	0.54	0.05	mg/L	1
11 September 1992	JA610911-55	ND	0.05	mg/L	1
11 September 1992	JA610911-56	ND	0.05	mg/L	1
11 September 1992	JA610911-54	0.088	0.05	mg/L	1
4 October 1992	JA611004-67	ND	0.05	mg/L	1
4 October 1992	JA611004-56	ND	0.05	mg/L	1
4 October 1992	JA611004-68	ND	0.05	mg/L	1
4 October 1992	JA611004-53	ND	0.05	mg/L	1
5 October 1992	JA611005-71	0.21	0.05	mg/L	1
6 October 1992	JA611005-72	ND	0.05	mg/L	1
15 October 1992	JA611015-30	ND	0.05	mg/L	1
28 October 1992	JA611028-21	0.11	0.05	mg/L	1
Total Number of Blanks = 12		Concentration Range 0.088 - 0.54			
Total Number above Reporting Limit = 4		Maximum Reporting Limit = 0.05			
Method : SW6010					
Analyte : Iron					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.05	mg/L	1
11 September 1992	JA610911-23	ND	0.05	mg/L	1
16 September 1992	JA610916-35	ND	0.05	mg/L	1
4 October 1992	JA611004-50	ND	0.05	mg/L	1
5 October 1992	JA611005-53	ND	0.05	mg/L	1
6 October 1992	JA611005-53	ND	0.05	mg/L	1
9 October 1992	JA611009-16	ND	0.05	mg/L	1
11 October 1992	JA611011-45	0.065	0.05	mg/L	1
11 October 1992	JA611011-15	ND	0.05	mg/L	1
15 October 1992	JA611015-15	ND	0.05	mg/L	1
16 October 1992	JA611018-20	ND	0.05	mg/L	1
18 October 1992	JA611018-20	ND	0.05	mg/L	1
28 October 1992	JA611028-16	ND	0.05	mg/L	1
28 October 1992	JA611028-64	ND	0.05	mg/L	1
28 October 1992	JA611028-44	ND	0.05	mg/L	1
5 November 1992	JA611105-16	0.075	0.05	mg/L	1
11 November 1992	JA611111-16	ND	0.05	mg/L	1
Total Number of Blanks = 17		Concentration Range 0.065 - 0.075			
Total Number above Reporting Limit = 2		Maximum Reporting Limit = 0.05			
Method : SW6010					
Analyte : Lead					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.05	mg/L	1
11 September 1992	JA610911-56	ND	0.05	mg/L	1
11 September 1992	JA610911-55	ND	0.05	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW6010					
Analyte : Lead, cont.					
Type of Blank : Equipment Blank					
11 September 1992	JA610911-54	ND	0.05	mg/L	1
4 October 1992	JA611004-56	ND	0.05	mg/L	1
4 October 1992	JA611004-67	ND	0.05	mg/L	1
4 October 1992	JA611004-53	0.052	0.05	mg/L	1
4 October 1992	JA611004-68	ND	0.05	mg/L	1
5 October 1992	JA611005-71	ND	0.05	mg/L	1
6 October 1992	JA611005-72	ND	0.05	mg/L	1
15 October 1992	JA611015-30	ND	0.05	mg/L	1
28 October 1992	JA611028-21	ND	0.05	mg/L	1

Total Number of Blanks = 12

Concentration Range 0.052 - 0.052

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.05

Method : SW6010					
Analyte : Lead					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.05	mg/L	1
11 September 1992	JA610910-56	ND	0.05	mg/L	1
11 September 1992	JA610911-23	ND	0.05	mg/L	1
16 September 1992	JA610916-35	ND	0.05	mg/L	1
4 October 1992	JA611004-50	ND	0.05	mg/L	1
5 October 1992	JA611005-53	ND	0.05	mg/L	1
6 October 1992	JA611005-53	ND	0.05	mg/L	1
9 October 1992	JA611009-16	ND	0.05	mg/L	1
11 October 1992	JA611011-15	ND	0.05	mg/L	1
11 October 1992	JA611011-45	ND	0.05	mg/L	1
15 October 1992	JA611015-15	ND	0.05	mg/L	1
16 October 1992	JA611018-20	ND	0.05	mg/L	1
18 October 1992	JA611018-20	ND	0.05	mg/L	1
28 October 1992	JA611028-64	ND	0.05	mg/L	1
28 October 1992	JA611028-16	ND	0.05	mg/L	1
28 October 1992	JA611028-44	ND	0.05	mg/L	1
5 November 1992	JA611105-16	ND	0.05	mg/L	1
11 November 1992	JA611111-16	ND	0.05	mg/L	1

Total Number of Blanks = 18

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.05

Method : SW6010					
Analyte : Magnesium					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	1	mg/L	1
11 September 1992	JA610911-56	ND	1	mg/L	1
11 September 1992	JA610911-55	ND	1	mg/L	1
11 September 1992	JA610911-54	ND	1	mg/L	1
4 October 1992	JA611004-67	ND	1	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Magnesium, cont.					
Type of Blank : Equipment Blank					
4 October 1992	JA611004-56	ND	1	mg/L	1
4 October 1992	JA611004-53	ND	1	mg/L	1
4 October 1992	JA611004-68	ND	1	mg/L	1
5 October 1992	JA611005-71	ND	1	mg/L	1
6 October 1992	JA611005-72	ND	1	mg/L	1
15 October 1992	JA611015-30	ND	1	mg/L	1
28 October 1992	JA611028-21	ND	1	mg/L	1

Total Number of Blanks = 12  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 1

Method : SW6010					
Analyte : Magnesium					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	1	mg/L	1
11 September 1992	JA610911-23	ND	1	mg/L	1
16 September 1992	JA610916-35	ND	1	mg/L	1
4 October 1992	JA611004-50	ND	1	mg/L	1
5 October 1992	JA611005-53	ND	1	mg/L	1
6 October 1992	JA611005-53	ND	1	mg/L	1
9 October 1992	JA611009-16	ND	1	mg/L	1
11 October 1992	JA611011-45	ND	1	mg/L	1
11 October 1992	JA611011-15	ND	1	mg/L	1
15 October 1992	JA611015-15	ND	1	mg/L	1
16 October 1992	JA611018-20	ND	1	mg/L	1
18 October 1992	JA611018-20	ND	1	mg/L	1
28 October 1992	JA611028-64	ND	1	mg/L	1
28 October 1992	JA611028-44	ND	1	mg/L	1
28 October 1992	JA611028-16	ND	1	mg/L	1
5 November 1992	JA611105-16	ND	1	mg/L	1
11 November 1992	JA611111-16	ND	1	mg/L	1

Total Number of Blanks = 17  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 1

Method : SW6010					
Analyte : Manganese					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.01	mg/L	1
11 September 1992	JA610911-55	ND	0.01	mg/L	1
11 September 1992	JA610911-56	ND	0.01	mg/L	1
11 September 1992	JA610911-54	ND	0.01	mg/L	1
4 October 1992	JA611004-67	ND	0.01	mg/L	1
4 October 1992	JA611004-56	ND	0.01	mg/L	1
4 October 1992	JA611004-53	ND	0.01	mg/L	1
4 October 1992	JA611004-68	ND	0.01	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Manganese, cont.					
Type of Blank : Equipment Blank					
5 October 1992	JA611005-71	ND	0.01	mg/L	1
6 October 1992	JA611005-72	ND	0.01	mg/L	1
15 October 1992	JA611015-30	ND	0.01	mg/L	1
28 October 1992	JA611028-21	0.011	0.01	mg/L	1
Total Number of Blanks = 12			Concentration Range 0.011 - 0.011		
Total Number above Reporting Limit = 1			Maximum Reporting Limit = 0.01		
Method : SW6010					
Analyte : Manganese					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.01	mg/L	1
11 September 1992	JA610911-23	ND	0.01	mg/L	1
16 September 1992	JA610916-35	ND	0.01	mg/L	1
4 October 1992	JA611004-50	ND	0.01	mg/L	1
5 October 1992	JA611005-53	ND	0.01	mg/L	1
6 October 1992	JA611005-53	ND	0.01	mg/L	1
9 October 1992	JA611009-16	ND	0.01	mg/L	1
11 October 1992	JA611011-45	ND	0.01	mg/L	1
11 October 1992	JA611011-15	ND	0.01	mg/L	1
15 October 1992	JA611015-15	ND	0.01	mg/L	1
16 October 1992	JA611018-20	ND	0.01	mg/L	1
18 October 1992	JA611018-20	ND	0.01	mg/L	1
28 October 1992	JA611028-44	ND	0.01	mg/L	1
28 October 1992	JA611028-16	ND	0.01	mg/L	1
28 October 1992	JA611028-64	ND	0.01	mg/L	1
5 November 1992	JA611105-16	ND	0.01	mg/L	1
11 November 1992	JA611111-16	ND	0.01	mg/L	1
Total Number of Blanks = 17			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.01		
Method : SW6010					
Analyte : Molybdenum					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.05	mg/L	1
11 September 1992	JA610911-56	ND	0.05	mg/L	1
11 September 1992	JA610911-55	ND	0.05	mg/L	1
11 September 1992	JA610911-54	ND	0.05	mg/L	1
4 October 1992	JA611004-67	ND	0.05	mg/L	1
4 October 1992	JA611004-56	ND	0.05	mg/L	1
4 October 1992	JA611004-68	ND	0.05	mg/L	1
4 October 1992	JA611004-53	ND	0.05	mg/L	1
5 October 1992	JA611005-71	ND	0.05	mg/L	1
6 October 1992	JA611005-72	ND	0.05	mg/L	1
15 October 1992	JA611015-30	ND	0.05	mg/L	1



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Molybdenum, cont.					
Type of Blank : Equipment Blank					
28 October 1992	JA611028-21	ND	0.05	mg/L	1
Total Number of Blanks = 12		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.05			
Method : SW6010					
Analyte : Molybdenum					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.05	mg/L	1
11 September 1992	JA610911-23	ND	0.05	mg/L	1
16 September 1992	JA610916-35	ND	0.05	mg/L	1
4 October 1992	JA611004-50	ND	0.05	mg/L	1
5 October 1992	JA611005-53	ND	0.05	mg/L	1
6 October 1992	JA611005-53	ND	0.05	mg/L	1
9 October 1992	JA611009-16	ND	0.05	mg/L	1
11 October 1992	JA611011-45	ND	0.05	mg/L	1
11 October 1992	JA611011-15	ND	0.05	mg/L	1
15 October 1992	JA611015-15	ND	0.05	mg/L	1
16 October 1992	JA611018-20	ND	0.05	mg/L	1
18 October 1992	JA611018-20	ND	0.05	mg/L	1
28 October 1992	JA611028-44	ND	0.05	mg/L	1
28 October 1992	JA611028-16	ND	0.05	mg/L	1
28 October 1992	JA611028-64	ND	0.05	mg/L	1
5 November 1992	JA611105-16	ND	0.05	mg/L	1
11 November 1992	JA611111-16	ND	0.05	mg/L	1
Total Number of Blanks = 17		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.05			
Method : SW6010					
Analyte : Nickel					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.02	mg/L	1
11 September 1992	JA610911-56	ND	0.02	mg/L	1
11 September 1992	JA610911-55	ND	0.02	mg/L	1
11 September 1992	JA610911-54	ND	0.02	mg/L	1
4 October 1992	JA611004-67	ND	0.02	mg/L	1
4 October 1992	JA611004-56	ND	0.02	mg/L	1
4 October 1992	JA611004-68	ND	0.02	mg/L	1
4 October 1992	JA611004-53	ND	0.02	mg/L	1
5 October 1992	JA611005-71	ND	0.02	mg/L	1
6 October 1992	JA611005-72	ND	0.02	mg/L	1
15 October 1992	JA611015-30	ND	0.02	mg/L	1
28 October 1992	JA611028-21	ND	0.02	mg/L	1
Total Number of Blanks = 12		Concentration Range NC			

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW6010 Analyte : Nickel, cont. Type of Blank : Equipment Blank Total Number above Reporting Limit = 0 Maximum Reporting Limit = 0.02					
Method : SW6010 Analyte : Nickel Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.02	mg/L	1
11 September 1992	JA610911-23	ND	0.02	mg/L	1
16 September 1992	JA610916-35	ND	0.02	mg/L	1
4 October 1992	JA611004-50	ND	0.02	mg/L	1
5 October 1992	JA611005-53	ND	0.02	mg/L	1
6 October 1992	JA611005-53	ND	0.02	mg/L	1
9 October 1992	JA611009-16	ND	0.02	mg/L	1
11 October 1992	JA611011-15	ND	0.02	mg/L	1
11 October 1992	JA611011-45	ND	0.02	mg/L	1
15 October 1992	JA611015-15	ND	0.02	mg/L	1
16 October 1992	JA611018-20	ND	0.02	mg/L	1
18 October 1992	JA611018-20	ND	0.02	mg/L	1
28 October 1992	JA611028-64	ND	0.02	mg/L	1
28 October 1992	JA611028-44	ND	0.02	mg/L	1
28 October 1992	JA611028-16	ND	0.02	mg/L	1
5 November 1992	JA611105-16	ND	0.02	mg/L	1
11 November 1992	JA611111-16	ND	0.02	mg/L	1
----- Total Number of Blanks = 17 Total Number above Reporting Limit = 0 Concentration Range NC Maximum Reporting Limit = 0.02					
Method : SW6010 Analyte : Potassium Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	3	mg/L	1
11 September 1992	JA610911-55	ND	3	mg/L	1
11 September 1992	JA610911-56	ND	3	mg/L	1
11 September 1992	JA610911-54	ND	3	mg/L	1
4 October 1992	JA611004-56	ND	3	mg/L	1
4 October 1992	JA611004-67	ND	3	mg/L	1
4 October 1992	JA611004-53	ND	3	mg/L	1
4 October 1992	JA611004-68	ND	3	mg/L	1
5 October 1992	JA611005-71	ND	3	mg/L	1
6 October 1992	JA611005-72	ND	3	mg/L	1
15 October 1992	JA611015-30	ND	3	mg/L	1
28 October 1992	JA611028-21	ND	3	mg/L	1
----- Total Number of Blanks = 12 Total Number above Reporting Limit = 0 Concentration Range NC Maximum Reporting Limit = 3					

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW6010					
Analyte : Potassium					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	3	mg/L	1
11 September 1992	JA610911-23	ND	3	mg/L	1
16 September 1992	JA610916-35	ND	3	mg/L	1
4 October 1992	JA611004-50	ND	3	mg/L	1
5 October 1992	JA611005-53	ND	3	mg/L	1
6 October 1992	JA611005-53	ND	3	mg/L	1
9 October 1992	JA611009-16	ND	3	mg/L	1
11 October 1992	JA611011-45	ND	3	mg/L	1
11 October 1992	JA611011-15	ND	3	mg/L	1
15 October 1992	JA611015-15	ND	3	mg/L	1
16 October 1992	JA611018-20	ND	3	mg/L	1
18 October 1992	JA611018-20	ND	3	mg/L	1
28 October 1992	JA611028-44	ND	3	mg/L	1
28 October 1992	JA611028-64	ND	3	mg/L	1
28 October 1992	JA611028-16	ND	3	mg/L	1
5 November 1992	JA611105-16	ND	3	mg/L	1
11 November 1992	JA611111-16	ND	3	mg/L	1

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 3

Method : SW6010  
 Analyte : Selenium  
 Type of Blank : Equipment Blank

11 September 1992	JA610910-73	ND	0.3	mg/L	1
11 September 1992	JA610911-55	ND	0.3	mg/L	1
11 September 1992	JA610911-56	ND	0.3	mg/L	1
11 September 1992	JA610911-54	ND	0.3	mg/L	1
4 October 1992	JA611004-67	ND	0.3	mg/L	1
4 October 1992	JA611004-56	ND	0.3	mg/L	1
4 October 1992	JA611004-68	ND	0.3	mg/L	1
4 October 1992	JA611004-53	ND	0.3	mg/L	1
5 October 1992	JA611005-71	ND	0.3	mg/L	1
6 October 1992	JA611005-72	ND	0.3	mg/L	1
15 October 1992	JA611015-30	ND	0.3	mg/L	1
28 October 1992	JA611028-21	ND	0.3	mg/L	1

Total Number of Blanks = 12

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.3

Method : SW6010  
 Analyte : Selenium  
 Type of Blank : Method Blank

11 September 1992	JA610910-56	ND	0.3	mg/L	1
11 September 1992	JA610911-23	ND	0.3	mg/L	1
16 September 1992	JA610916-35	ND	0.3	mg/L	1
4 October 1992	JA611004-50	ND	0.3	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Selenium, cont.					
Type of Blank : Method Blank					
5 October 1992	JA611005-53	ND	0.3	mg/L	1
6 October 1992	JA611005-53	ND	0.3	mg/L	1
9 October 1992	JA611009-16	ND	0.3	mg/L	1
11 October 1992	JA611011-45	ND	0.3	mg/L	1
11 October 1992	JA611011-15	ND	0.3	mg/L	1
15 October 1992	JA611015-15	ND	0.3	mg/L	1
16 October 1992	JA611018-20	ND	0.3	mg/L	1
18 October 1992	JA611018-20	ND	0.3	mg/L	1
28 October 1992	JA611028-64	ND	0.3	mg/L	1
28 October 1992	JA611028-16	ND	0.3	mg/L	1
28 October 1992	JA611028-44	ND	0.3	mg/L	1
5 November 1992	JA611105-16	ND	0.3	mg/L	1
11 November 1992	JA611111-16	ND	0.3	mg/L	1

Total Number of Blanks = 17

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.3

Method : SW6010					
Analyte : Silver					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.01	mg/L	1
11 September 1992	JA610911-56	ND	0.01	mg/L	1
11 September 1992	JA610911-55	ND	0.01	mg/L	1
11 September 1992	JA610911-54	ND	0.01	mg/L	1
4 October 1992	JA611004-56	ND	0.01	mg/L	1
4 October 1992	JA611004-67	ND	0.01	mg/L	1
4 October 1992	JA611004-68	ND	0.01	mg/L	1
4 October 1992	JA611004-53	ND	0.01	mg/L	1
5 October 1992	JA611005-71	ND	0.01	mg/L	1
6 October 1992	JA611005-72	ND	0.01	mg/L	1
15 October 1992	JA611015-30	ND	0.01	mg/L	1
28 October 1992	JA611028-21	ND	0.01	mg/L	1

Total Number of Blanks = 12

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.01

Method : SW6010					
Analyte : Silver					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.01	mg/L	1
11 September 1992	JA610910-56	ND	0.01	mg/L	1
11 September 1992	JA610911-23	ND	0.01	mg/L	1
16 September 1992	JA610916-35	ND	0.01	mg/L	1
4 October 1992	JA611004-50	ND	0.01	mg/L	1
5 October 1992	JA611005-53	ND	0.01	mg/L	1
6 October 1992	JA611005-53	ND	0.01	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Silver, cont.					
Type of Blank : Method Blank					
9 October 1992	JA611009-16	ND	0.01	mg/L	1
11 October 1992	JA611011-45	ND	0.01	mg/L	1
11 October 1992	JA611011-15	ND	0.01	mg/L	1
15 October 1992	JA611015-15	ND	0.01	mg/L	1
16 October 1992	JA611018-20	ND	0.01	mg/L	1
18 October 1992	JA611018-20	ND	0.01	mg/L	1
28 October 1992	JA611028-16	ND	0.01	mg/L	1
28 October 1992	JA611028-64	ND	0.01	mg/L	1
28 October 1992	JA611028-44	ND	0.01	mg/L	1
5 November 1992	JA611105-16	ND	0.01	mg/L	1
11 November 1992	JA611111-16	ND	0.01	mg/L	1
Total Number of Blanks = 18			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.01		
Method : SW6010					
Analyte : Sodium					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	1	mg/L	1
11 September 1992	JA610911-55	ND	1	mg/L	1
11 September 1992	JA610911-56	ND	1	mg/L	1
11 September 1992	JA610911-54	ND	1	mg/L	1
4 October 1992	JA611004-56	ND	1	mg/L	1
4 October 1992	JA611004-67	ND	1	mg/L	1
4 October 1992	JA611004-68	ND	1	mg/L	1
4 October 1992	JA611004-53	ND	1	mg/L	1
5 October 1992	JA611005-71	ND	1	mg/L	1
6 October 1992	JA611005-72	ND	1	mg/L	1
15 October 1992	JA611015-30	ND	1	mg/L	1
28 October 1992	JA611028-21	ND	1	mg/L	1
Total Number of Blanks = 12			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 1		
Method : SW6010					
Analyte : Sodium					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	1	mg/L	1
11 September 1992	JA610911-23	ND	1	mg/L	1
16 September 1992	JA610916-35	ND	1	mg/L	1
4 October 1992	JA611004-50	ND	1	mg/L	1
5 October 1992	JA611005-53	ND	1	mg/L	1
6 October 1992	JA611005-53	ND	1	mg/L	1
9 October 1992	JA611009-16	ND	1	mg/L	1
11 October 1992	JA611011-45	ND	1	mg/L	1
11 October 1992	JA611011-15	ND	1	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW6010					
Analyte : Sodium, cont.					
Type of Blank : Method Blank					
15 October 1992	JA611015-15	ND	1	mg/L	1
16 October 1992	JA611018-20	ND	1	mg/L	1
18 October 1992	JA611018-20	ND	1	mg/L	1
28 October 1992	JA611028-44	ND	1	mg/L	1
28 October 1992	JA611028-64	ND	1	mg/L	1
28 October 1992	JA611028-16	ND	1	mg/L	1
5 November 1992	JA611105-16	ND	1	mg/L	1
11 November 1992	JA611111-16	ND	1	mg/L	1
-----					
Total Number of Blanks = 17		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 1			
Method : SW6010					
Analyte : Thallium					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.1	mg/L	1
11 September 1992	JA610911-55	ND	0.1	mg/L	1
11 September 1992	JA610911-56	ND	0.1	mg/L	1
11 September 1992	JA610911-54	ND	0.1	mg/L	1
4 October 1992	JA611004-67	ND	0.1	mg/L	1
4 October 1992	JA611004-56	ND	0.1	mg/L	1
4 October 1992	JA611004-68	ND	0.1	mg/L	1
4 October 1992	JA611004-53	ND	0.1	mg/L	1
5 October 1992	JA611005-71	ND	0.1	mg/L	1
6 October 1992	JA611005-72	ND	0.1	mg/L	1
15 October 1992	JA611015-30	ND	0.1	mg/L	1
28 October 1992	JA611028-21	ND	0.1	mg/L	1
-----					
Total Number of Blanks = 12		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.1			
Method : SW6010					
Analyte : Thallium					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.1	mg/L	1
11 September 1992	JA610911-23	ND	0.1	mg/L	1
16 September 1992	JA610916-35	ND	0.1	mg/L	1
4 October 1992	JA611004-50	ND	0.1	mg/L	1
5 October 1992	JA611005-53	ND	0.1	mg/L	1
6 October 1992	JA611005-53	ND	0.1	mg/L	1
9 October 1992	JA611009-16	ND	0.1	mg/L	1
11 October 1992	JA611011-45	ND	0.1	mg/L	1
11 October 1992	JA611011-15	ND	0.1	mg/L	1
15 October 1992	JA611015-15	ND	0.1	mg/L	1
16 October 1992	JA611018-20	ND	0.1	mg/L	1
18 October 1992	JA611018-20	ND	0.1	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Thallium, cont.					
Type of Blank : Method Blank					
28 October 1992	JA611028-44	ND	0.1	mg/L	1
28 October 1992	JA611028-16	ND	0.1	mg/L	1
28 October 1992	JA611028-64	ND	0.1	mg/L	1
5 November 1992	JA611105-16	ND	0.1	mg/L	1
11 November 1992	JA611111-16	ND	0.1	mg/L	1

Total Number of Blanks = 17

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW6010					
Analyte : Vanadium					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.02	mg/L	1
11 September 1992	JA610911-55	ND	0.02	mg/L	1
11 September 1992	JA610911-56	ND	0.02	mg/L	1
11 September 1992	JA610911-54	ND	0.02	mg/L	1
4 October 1992	JA611004-56	ND	0.02	mg/L	1
4 October 1992	JA611004-67	ND	0.02	mg/L	1
4 October 1992	JA611004-53	ND	0.02	mg/L	1
4 October 1992	JA611004-68	ND	0.02	mg/L	1
5 October 1992	JA611005-71	ND	0.02	mg/L	1
6 October 1992	JA611005-72	ND	0.02	mg/L	1
15 October 1992	JA611015-30	ND	0.02	mg/L	1
28 October 1992	JA611028-21	ND	0.02	mg/L	1

Total Number of Blanks = 12

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.02

Method : SW6010					
Analyte : Vanadium					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.02	mg/L	1
11 September 1992	JA610911-23	ND	0.02	mg/L	1
16 September 1992	JA610916-35	ND	0.02	mg/L	1
4 October 1992	JA611004-50	ND	0.02	mg/L	1
5 October 1992	JA611005-53	ND	0.02	mg/L	1
6 October 1992	JA611005-53	ND	0.02	mg/L	1
9 October 1992	JA611009-16	ND	0.02	mg/L	1
11 October 1992	JA611011-45	ND	0.02	mg/L	1
11 October 1992	JA611011-15	ND	0.02	mg/L	1
15 October 1992	JA611015-15	ND	0.02	mg/L	1
16 October 1992	JA611018-20	ND	0.02	mg/L	1
18 October 1992	JA611018-20	ND	0.02	mg/L	1
28 October 1992	JA611028-64	ND	0.02	mg/L	1
28 October 1992	JA611028-16	ND	0.02	mg/L	1
28 October 1992	JA611028-44	ND	0.02	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Vanadium, cont.					
Type of Blank : Method Blank					
5 November 1992	JA611105-16	ND	0.02	mg/L	1
11 November 1992	JA611111-16	ND	0.02	mg/L	1
Total Number of Blanks = 17			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.02		
Method : SW6010					
Analyte : Zinc					
Type of Blank : Equipment Blank					
11 September 1992	JA610910-73	ND	0.02	mg/L	1
11 September 1992	JA610911-56	ND	0.02	mg/L	1
11 September 1992	JA610911-55	ND	0.02	mg/L	1
11 September 1992	JA610911-54	ND	0.02	mg/L	1
4 October 1992	JA611004-56	ND	0.02	mg/L	1
4 October 1992	JA611004-67	ND	0.02	mg/L	1
4 October 1992	JA611004-53	ND	0.02	mg/L	1
4 October 1992	JA611004-68	ND	0.02	mg/L	1
5 October 1992	JA611005-71	ND	0.02	mg/L	1
6 October 1992	JA611005-72	ND	0.02	mg/L	1
15 October 1992	JA611015-30	ND	0.02	mg/L	1
28 October 1992	JA611028-21	ND	0.02	mg/L	1
Total Number of Blanks = 12			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.02		
Method : SW6010					
Analyte : Zinc					
Type of Blank : Method Blank					
11 September 1992	JA610910-56	ND	0.02	mg/L	1
11 September 1992	JA610911-23	ND	0.02	mg/L	1
16 September 1992	JA610916-35	ND	0.02	mg/L	1
4 October 1992	JA611004-50	ND	0.02	mg/L	1
5 October 1992	JA611005-53	ND	0.02	mg/L	1
6 October 1992	JA611005-53	ND	0.02	mg/L	1
9 October 1992	JA611009-16	ND	0.02	mg/L	1
11 October 1992	JA611011-15	ND	0.02	mg/L	1
11 October 1992	JA611011-45	ND	0.02	mg/L	1
15 October 1992	JA611015-15	ND	0.02	mg/L	1
16 October 1992	JA611018-20	ND	0.02	mg/L	1
18 October 1992	JA611018-20	ND	0.02	mg/L	1
28 October 1992	JA611028-16	ND	0.02	mg/L	1
28 October 1992	JA611028-44	ND	0.02	mg/L	1
28 October 1992	JA611028-64	ND	0.02	mg/L	1
5 November 1992	JA611105-16	ND	0.02	mg/L	1
11 November 1992	JA611111-16	ND	0.02	mg/L	1



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW6010					
Analyte : Zinc, cont.					
Type of Blank : Method Blank					
Total Number of Blanks = 17			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.02		
Method : SW7060					
Analyte : Arsenic					
Type of Blank : Equipment Blank					
31 August 1992	Z3083109-59	ND	0.004	mg/L	1
31 August 1992	Z3083109-58	ND	0.004	mg/L	1
31 August 1992	Z3083109-57	ND	0.004	mg/L	1
8 September 1992	Z3090808-24	ND	0.004	mg/L	1
14 September 1992	Z3091408-64	ND	0.004	mg/L	1
14 September 1992	Z3091408-65	ND	0.004	mg/L	1
14 September 1992	Z3091408-55	ND	0.004	mg/L	1
14 September 1992	Z3091408-52	ND	0.004	mg/L	1
16 September 1992	Z3091608-81	ND	0.004	mg/L	1
21 September 1992	Z2092108-18	ND	0.004	mg/L	1
21 September 1992	Z3092111-59	ND	0.004	mg/L	1
25 September 1992	Z1092516-54	ND	0.004	mg/L	1
Total Number of Blanks = 12			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.004		
Method : SW7060					
Analyte : Arsenic					
Type of Blank : Method Blank					
31 August 1992	Z3083109-43	ND	0.004	mg/L	1
8 September 1992	Z3090808-21	ND	0.004	mg/L	1
14 September 1992	Z3091408-49	ND	0.004	mg/L	1
16 September 1992	Z3091608-64	ND	0.004	mg/L	1
21 September 1992	Z2092108-11	ND	0.004	mg/L	1
21 September 1992	Z3092111-56	ND	0.004	mg/L	1
21 September 1992	Z2092108-50	ND	0.004	mg/L	1
23 September 1992	Z1092309-42	ND	0.004	mg/L	1
25 September 1992	Z1092516-20	ND	0.004	mg/L	1
25 September 1992	Z1092516-36	ND	0.004	mg/L	1
1 October 1992	Z2100120-7	ND	0.004	mg/L	1
5 October 1992	Z1100510-23	ND	0.004	mg/L	1
6 October 1992	Z2100617-39	ND	0.004	mg/L	1
15 October 1992	Z2101514-7	ND	0.004	mg/L	1
27 October 1992	Z3102710-44	ND	0.004	mg/L	1
Total Number of Blanks = 15			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.004		

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW7421					
Analyte : Lead					
Type of Blank : Equipment Blank					
1 September 1992	Z2090118-23	0.0091	0.003	mg/L	1
1 September 1992	Z2090118-22	0.0095	0.003	mg/L	1
1 September 1992	Z2090118-21	0.028	0.003	mg/L	1
9 September 1992	Z1090919-20	0.0068	0.003	mg/L	1
15 September 1992	Z2091517-26	0.031	0.003	mg/L	1
15 September 1992	Z2091517-12	0.023	0.003	mg/L	1
17 September 1992	Z2091717-23	0.0066	0.003	mg/L	1
17 September 1992	Z2091717-10	0.0057	0.003	mg/L	1
17 September 1992	Z2091717-13	ND	0.003	mg/L	1
17 September 1992	Z2091717-22	ND	0.003	mg/L	1
18 September 1992	Z1091817-16	0.005	0.003	mg/L	1
29 September 1992	Z1092918-11	0.0057	0.003	mg/L	1

Total Number of Blanks = 12

Concentration Range 0.0050 - 0.031

Total Number above Reporting Limit = 10

Maximum Reporting Limit = 0.003

Method : SW7421  
 Analyte : Lead  
 Type of Blank : Method Blank

1 September 1992	Z2090118-7	ND	0.003	mg/L	1
9 September 1992	Z1090919-7	0.0052	0.003	mg/L	1
15 September 1992	Z2091517-7	ND	0.003	mg/L	1
17 September 1992	Z2091717-7	ND	0.003	mg/L	1
18 September 1992	Z1091817-7	ND	0.003	mg/L	1
18 September 1992	Z1091817-27	ND	0.003	mg/L	1
21 September 1992	Z2092118-46	0.0038	0.003	mg/L	1
28 September 1992	Z1092817-22	0.0062	0.003	mg/L	1
29 September 1992	Z1092918-7	ND	0.003	mg/L	1
30 September 1992	Z1093013-15	ND	0.003	mg/L	1
2 October 1992	Z2100208-72	ND	0.003	mg/L	1
6 October 1992	Z1100617-7	ND	0.003	mg/L	1
19 October 1992	Z2101916-13	ND	0.003	mg/L	1
3 November 1992	Z2110309-7	ND	0.003	mg/L	1

Total Number of Blanks = 14

Concentration Range 0.0038 - 0.0062

Total Number above Reporting Limit = 3

Maximum Reporting Limit = 0.003

Method : SW7470  
 Analyte : Mercury  
 Type of Blank : Equipment Blank

21 August 1992	D2082113-31	ND	0.00018	mg/L	1
21 August 1992	D2082113-30	ND	0.00018	mg/L	1
21 August 1992	D2082113-16	ND	0.00018	mg/L	1
25 August 1992	Z3082518-97	0.00034	0.00018	mg/L	1
16 September 1992	D2091616-49	ND	0.00018	mg/L	1
24 September 1992	Z3092418-69	0.00032	0.00018	mg/L	1

TABLE A-5

DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW7470					
Analyte : Mercury, cont.					
Type of Blank : Equipment Blank					
24 September 1992	Z3092418-82	0.0003	0.00018	mg/L	1
24 September 1992	Z3092418-56	0.00031	0.00018	mg/L	1
24 September 1992	Z3092418-64	0.00031	0.00018	mg/L	1
24 September 1992	Z3092418-63	0.00031	0.00018	mg/L	1
28 September 1992	Z3092815-21	0.00034	0.00018	mg/L	1
8 October 1992	Z3100816-78	0.0002	0.00018	mg/L	1
-----					
Total Number of Blanks = 12		Concentration Range 0.00020 - 0.00034			
Total Number above Reporting Limit = 8		Maximum Reporting Limit = 0.00018			
Method : SW7470					
Analyte : Mercury					
Type of Blank : Method Blank					
12 August 1992	Z3081221-35	0.00024	0.00018	mg/L	1
19 August 1992	D2081913-8	0.0002	0.00018	mg/L	1
21 August 1992	D2082113-21	0.00022	0.00018	mg/L	1
25 August 1992	Z3082518-69	0.00027	0.00018	mg/L	1
16 September 1992	D2091616-44	ND	0.00018	mg/L	1
24 September 1992	Z3092418-55	0.0003	0.00018	mg/L	1
28 September 1992	Z3092815-30	0.00032	0.00018	mg/L	1
28 September 1992	Z3092815-8	0.00033	0.00018	mg/L	1
29 September 1992	Z3092916-42	0.00034	0.00018	mg/L	1
6 October 1992	Z3100616-8	ND	0.00018	mg/L	1
8 October 1992	Z3100816-72	0.0002	0.00018	mg/L	1
13 October 1992	Z3101316-38	ND	0.00018	mg/L	1
22 October 1992	Z3102218-8	ND	0.00018	mg/L	1
29 October 1992	Z3102919-89	ND	0.00018	mg/L	1
-----					
Total Number of Blanks = 14		Concentration Range 0.00020 - 0.00034			
Total Number above Reporting Limit = 9		Maximum Reporting Limit = 0.00018			
Method : SW7740					
Analyte : Selenium					
Type of Blank : Equipment Blank					
29 August 1992	Z2082915-23	ND	0.005	mg/L	1
29 August 1992	Z2082915-22	ND	0.005	mg/L	1
29 August 1992	Z2082915-21	ND	0.005	mg/L	1
8 September 1992	Z1090820-33	ND	0.005	mg/L	1
14 September 1992	Z2091409-24	ND	0.005	mg/L	1
14 September 1992	Z2091409-15	ND	0.005	mg/L	1
14 September 1992	Z2091409-12	ND	0.005	mg/L	1
14 September 1992	Z2091409-25	ND	0.005	mg/L	1
16 September 1992	Z1091608-30	ND	0.005	mg/L	1
16 September 1992	Z1091613-15	ND	0.005	mg/L	1
21 September 1992	Z1092108-25	ND	0.005	mg/L	1
30 September 1992	Z2093018-49	ND	0.005	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW7740					
Analyte : Selenium, cont.					
Type of Blank : Equipment Blank					
-----					
Total Number of Blanks = 12		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.005			
Method : SW7740					
Analyte : Selenium					
Type of Blank : Method Blank					
29 August 1992	Z2082915-7	ND	0.005	mg/L	1
8 September 1992	Z1090820-29	ND	0.005	mg/L	1
14 September 1992	Z2091409-7	ND	0.005	mg/L	1
16 September 1992	Z1091613-7	ND	0.005	mg/L	1
16 September 1992	Z1091608-27	ND	0.005	mg/L	1
21 September 1992	Z1092108-57	ND	0.005	mg/L	1
21 September 1992	Z1092108-16	ND	0.005	mg/L	1
23 September 1992	Z3092309-32	ND	0.005	mg/L	1
28 September 1992	Z2092816-37	ND	0.005	mg/L	1
30 September 1992	Z2093018-17	ND	0.005	mg/L	1
30 September 1992	Z2093018-45	ND	0.005	mg/L	1
5 October 1992	Z2100517-46	ND	0.005	mg/L	1
5 October 1992	Z2100517-25	ND	0.005	mg/L	1
19 October 1992	Z4101918-20	ND	0.005	mg/L	1
8 November 1992	Z3110812-27	ND	0.005	mg/L	1
-----					
Total Number of Blanks = 15		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.005			
Method : SW8010					
Analyte : 1,1,1,2-Tetrachloroethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.0025	mg/L	1
9 September 1992	QT0822	ND	0.0025	mg/L	1
17 September 1992	QT1716	ND	0.0025	mg/L	1
30 September 1992	QP2913	ND	0.0025	mg/L	1
-----					
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0025			
Method : SW8010					
Analyte : 1,1,1,2-Tetrachloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.0025	mg/L	1
9 September 1992	QT0821	ND	0.0025	mg/L	1
11 September 1992	QT1018	ND	0.0025	mg/L	1
17 September 1992	QT1715	ND	0.0025	mg/L	1
30 September 1992	QP2914	ND	0.0025	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----					
Method : SW8010					
Analyte : 1,1,1,2-Tetrachloroethane, cont.					
Type of Blank : Equipment Blank					
-----					
Total Number of Blanks = 5			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0025		
Method : SW8010					
Analyte : 1,1,1,2-Tetrachloroethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0025	mg/L	1
4 August 1992	OJ049	ND	0.0025	mg/L	1
7 August 1992	OT0611	ND	0.0025	mg/L	1
7 August 1992	OP0610	ND	0.0025	mg/L	1
10 August 1992	OI108	ND	0.0025	mg/L	1
10 August 1992	OT107	ND	0.0025	mg/L	1
30 August 1992	OI308	ND	0.0025	mg/L	1
31 August 1992	OP3112	ND	0.0025	mg/L	1
8 September 1992	QT088	ND	0.0025	mg/L	1
10 September 1992	QJ106	ND	0.0025	mg/L	1
11 September 1992	QT1014	ND	0.0025	mg/L	1
15 September 1992	QJ145	ND	0.0025	mg/L	1
16 September 1992	QJ167	ND	0.0025	mg/L	1
17 September 1992	QT178	ND	0.0025	mg/L	1
18 September 1992	QJ189	ND	0.0025	mg/L	1
18 September 1992	QT188	ND	0.0025	mg/L	1
18 September 1992	QP185	ND	0.0025	mg/L	1
21 September 1992	QJ217	ND	0.0025	mg/L	1
22 September 1992	QI225	ND	0.0025	mg/L	1
23 September 1992	QJ2310	ND	0.0025	mg/L	1
23 September 1992	QI234	ND	0.0025	mg/L	1
24 September 1992	QT246	ND	0.0025	mg/L	1
28 September 1992	QI286	ND	0.0025	mg/L	1
28 September 1992	QP287	ND	0.0025	mg/L	1
29 September 1992	QP296	ND	0.0025	mg/L	1
30 September 1992	QT307	ND	0.0025	mg/L	1
1 October 1992	SI016	ND	0.0025	mg/L	1
2 October 1992	SI026	ND	0.0025	mg/L	1
6 October 1992	SI065	ND	0.0025	mg/L	1
6 October 1992	SP066	ND	0.0025	mg/L	1
7 October 1992	SI076	ND	0.0025	mg/L	1
7 October 1992	SP076	ND	0.0025	mg/L	1
9 October 1992	SP086	ND	0.0025	mg/L	1
9 October 1992	SI088	ND	0.0025	mg/L	1
12 October 1992	SI126	ND	0.0025	mg/L	1
16 October 1992	SP167	ND	0.0025	mg/L	1
20 October 1992	SP1914	ND	0.0025	mg/L	1
-----					
Total Number of Blanks = 37			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0025		

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : 1,1,1,2-Tetrachloroethane, cont.					
Type of Blank : Method Blank					
Method : SW8010					
Analyte : 1,1,1,2-Tetrachloroethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0025	mg/L	1
5 August 1992	OJ0418	ND	0.0025	mg/L	1
9 September 1992	QT0819	ND	0.0025	mg/L	1
11 September 1992	QT1019	ND	0.0025	mg/L	1
18 September 1992	QT1717	ND	0.0025	mg/L	1
18 September 1992	QT1718	ND	0.0025	mg/L	1
19 September 1992	QP1814	ND	0.0025	mg/L	1
19 September 1992	QT1820	ND	0.0025	mg/L	1
22 September 1992	QJ2113	ND	0.0025	mg/L	1
24 September 1992	QT2411	ND	0.0025	mg/L	1
28 September 1992	QI287	ND	0.0025	mg/L	1
28 September 1992	QP2811	ND	0.0025	mg/L	1
28 September 1992	QP2813	ND	0.0025	mg/L	1
1 October 1992	QT3019	ND	0.0025	mg/L	1
1 October 1992	QT3020	ND	0.0025	mg/L	1
3 October 1992	SI0220	ND	0.0025	mg/L	1
7 October 1992	SI0617	ND	0.0025	mg/L	1
8 October 1992	SI0717	ND	0.0025	mg/L	1
9 October 1992	SI0815	ND	0.0025	mg/L	1
12 October 1992	SI128	ND	0.0025	mg/L	1
12 October 1992	SI127	ND	0.0025	mg/L	1
Total Number of Blanks = 21			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0025		
Method : SW8010					
Analyte : 1,1,1,2-Tetrachloroethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	2.5	ug/L	1
9 September 1992	QT0817	ND	2.5	ug/L	1
17 September 1992	QT1716	ND	2.5	ug/L	1
30 September 1992	QP2913	ND	2.5	ug/L	1
Total Number of Blanks = 4			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 2.5		
Method : SW8010					
Analyte : 1,1,1,2-Tetrachloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	2.5	ug/L	1
9 September 1992	QT0816	ND	2.5	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : 1,1,1,2-Tetrachloroethane, cont.					
Type of Blank : Equipment Blank					
11 September 1992	QT1018	ND	2.5	ug/L	1
17 September 1992	QT1715	ND	2.5	ug/L	1
30 September 1992	QP2914	ND	2.5	ug/L	1
-----					
Total Number of Blanks = 5		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 2.5			
Method : SW8010					
Analyte : 1,1,1,2-Tetrachloroethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	2.5	ug/L	1
4 August 1992	OJ049	ND	2.5	ug/L	1
7 August 1992	OP0610	ND	2.5	ug/L	1
7 August 1992	OT0611	ND	2.5	ug/L	1
10 August 1992	OT107	ND	2.5	ug/L	1
10 August 1992	OI108	ND	2.5	ug/L	1
30 August 1992	OI308	ND	2.5	ug/L	1
31 August 1992	OP3112	ND	2.5	ug/L	1
8 September 1992	QT088	ND	2.5	ug/L	1
10 September 1992	QJ106	ND	2.5	ug/L	1
11 September 1992	QT1014	ND	2.5	ug/L	1
15 September 1992	QJ145	ND	2.5	ug/L	1
16 September 1992	QJ167	ND	2.5	ug/L	1
17 September 1992	QT178	ND	2.5	ug/L	1
18 September 1992	QT188	ND	2.5	ug/L	1
18 September 1992	QJ189	ND	2.5	ug/L	1
18 September 1992	QP185	ND	2.5	ug/L	1
21 September 1992	QJ217	ND	2.5	ug/L	1
22 September 1992	QI225	ND	2.5	ug/L	1
23 September 1992	QJ2310	ND	2.5	ug/L	1
23 September 1992	QI234	ND	2.5	ug/L	1
24 September 1992	QT246	ND	2.5	ug/L	1
28 September 1992	QI286	ND	2.5	ug/L	1
28 September 1992	QP287	ND	2.5	ug/L	1
29 September 1992	QP296	ND	2.5	ug/L	1
30 September 1992	QT307	ND	2.5	ug/L	1
1 October 1992	SI016	ND	2.5	ug/L	1
2 October 1992	SI026	ND	2.5	ug/L	1
6 October 1992	SP066	ND	2.5	ug/L	1
6 October 1992	SI065	ND	2.5	ug/L	1
7 October 1992	SI076	ND	2.5	ug/L	1
7 October 1992	SP076	ND	2.5	ug/L	1
9 October 1992	SI088	ND	2.5	ug/L	1
9 October 1992	SP086	ND	2.5	ug/L	1
12 October 1992	SI126	ND	2.5	ug/L	1
16 October 1992	SP167	ND	2.5	ug/L	1
20 October 1992	SP1914	ND	2.5	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : 1,1,1,2-Tetrachloroethane, cont.					
Type of Blank : Method Blank					
-----					
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 2.5			
Method : SW8010					
Analyte : 1,1,1,2-Tetrachloroethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	2.5	ug/L	1
5 August 1992	OJ0418	ND	2.5	ug/L	1
9 September 1992	QT0819	ND	2.5	ug/L	1
11 September 1992	QT1019	ND	2.5	ug/L	1
18 September 1992	QT1718	ND	2.5	ug/L	1
18 September 1992	QT1717	ND	2.5	ug/L	1
19 September 1992	QT1820	ND	2.5	ug/L	1
19 September 1992	QP1814	ND	2.5	ug/L	1
22 September 1992	QJ2113	ND	2.5	ug/L	1
24 September 1992	QT2411	ND	2.5	ug/L	1
28 September 1992	QI287	ND	2.5	ug/L	1
28 September 1992	QP2811	ND	2.5	ug/L	1
28 September 1992	QP2813	ND	2.5	ug/L	1
1 October 1992	QT3019	ND	2.5	ug/L	1
1 October 1992	QT3020	ND	2.5	ug/L	1
3 October 1992	SI0220	ND	2.5	ug/L	1
7 October 1992	SI0617	ND	2.5	ug/L	1
8 October 1992	SI0717	ND	2.5	ug/L	1
9 October 1992	SI0815	ND	2.5	ug/L	1
12 October 1992	SI1128	ND	2.5	ug/L	1
12 October 1992	SI1127	ND	2.5	ug/L	1
-----					
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 2.5			
Method : SW8010					
Analyte : 1,1,1-Trichloroethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.00055	mg/L	1
10 September 1992	QJ1013	ND	0.00055	mg/L	1
19 September 1992	QJ1817	ND	0.00055	mg/L	1
30 September 1992	QP2913	ND	0.00055	mg/L	1
-----					
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.00055			



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1,1-Trichloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.00055	mg/L	1
10 September 1992	QJ1012	ND	0.00055	mg/L	1
11 September 1992	QT1018	ND	0.00055	mg/L	1
17 September 1992	QT1715	ND	0.00055	mg/L	1
30 September 1992	QP2914	ND	0.00055	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00055

Method : SW8010					
Analyte : 1,1,1-Trichloroethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.00055	mg/L	1
4 August 1992	OJ049	ND	0.00055	mg/L	1
7 August 1992	OT0611	ND	0.00055	mg/L	1
7 August 1992	OP0610	ND	0.00055	mg/L	1
10 August 1992	OT107	ND	0.00055	mg/L	1
10 August 1992	OI108	ND	0.00055	mg/L	1
30 August 1992	OI308	ND	0.00055	mg/L	1
31 August 1992	OP3112	ND	0.00055	mg/L	1
8 September 1992	QT088	ND	0.00055	mg/L	1
10 September 1992	QJ106	ND	0.00055	mg/L	1
11 September 1992	QT1014	ND	0.00055	mg/L	1
15 September 1992	QJ145	ND	0.00055	mg/L	1
16 September 1992	QJ167	ND	0.00055	mg/L	1
17 September 1992	QT178	ND	0.00055	mg/L	1
18 September 1992	QJ189	ND	0.00055	mg/L	1
18 September 1992	QT188	ND	0.00055	mg/L	1
18 September 1992	QP185	ND	0.00055	mg/L	1
21 September 1992	QJ217	ND	0.00055	mg/L	1
22 September 1992	QI225	ND	0.00055	mg/L	1
23 September 1992	QJ2310	ND	0.00055	mg/L	1
23 September 1992	QI234	ND	0.00055	mg/L	1
24 September 1992	QT246	ND	0.00055	mg/L	1
28 September 1992	QI286	ND	0.00055	mg/L	1
28 September 1992	QP287	ND	0.00055	mg/L	1
29 September 1992	QP296	ND	0.00055	mg/L	1
30 September 1992	QT307	ND	0.00055	mg/L	1
1 October 1992	SI016	ND	0.00055	mg/L	1
2 October 1992	SI026	ND	0.00055	mg/L	1
6 October 1992	SP066	ND	0.00055	mg/L	1
6 October 1992	SI065	ND	0.00055	mg/L	1
7 October 1992	SP076	ND	0.00055	mg/L	1
7 October 1992	SI076	ND	0.00055	mg/L	1
9 October 1992	SP086	ND	0.00055	mg/L	1
9 October 1992	SI088	ND	0.00055	mg/L	1
12 October 1992	SI126	ND	0.00055	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : 1,1,1-Trichloroethane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.00055	mg/L	1
20 October 1992	SP1914	ND	0.00055	mg/L	1
-----					
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.00055			
Method : SW8010					
Analyte : 1,1,1-Trichloroethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.00055	mg/L	1
5 August 1992	OJ0418	ND	0.00055	mg/L	1
11 September 1992	QT1019	ND	0.00055	mg/L	1
11 September 1992	QJ1014	ND	0.00055	mg/L	1
18 September 1992	QT1718	ND	0.00055	mg/L	1
18 September 1992	QT1717	ND	0.00055	mg/L	1
19 September 1992	QP1814	ND	0.00055	mg/L	1
19 September 1992	QT1820	ND	0.00055	mg/L	1
22 September 1992	QJ2113	ND	0.00055	mg/L	1
24 September 1992	QT2411	ND	0.00055	mg/L	1
28 September 1992	QI287	ND	0.00055	mg/L	1
28 September 1992	QP2811	ND	0.00055	mg/L	1
28 September 1992	QP2813	ND	0.00055	mg/L	1
1 October 1992	QT3019	ND	0.00055	mg/L	1
3 October 1992	SI0220	ND	0.00055	mg/L	1
7 October 1992	SP078	ND	0.00055	mg/L	1
7 October 1992	SI0617	ND	0.00055	mg/L	1
8 October 1992	SP0722	ND	0.00055	mg/L	1
9 October 1992	SI0815	ND	0.00055	mg/L	1
12 October 1992	SI128	ND	0.00055	mg/L	1
12 October 1992	SI127	ND	0.00055	mg/L	1
-----					
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.00055			
Method : SW8010					
Analyte : 1,1,1-Trichloroethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.55	ug/L	1
10 September 1992	QJ1013	ND	0.55	ug/L	1
19 September 1992	QJ1817	ND	0.55	ug/L	1
30 September 1992	QP2913	ND	0.55	ug/L	1
-----					
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.55			

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1,1-Trichloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.55	ug/L	1
10 September 1992	QJ1012	ND	0.55	ug/L	1
11 September 1992	QT1018	ND	0.55	ug/L	1
17 September 1992	QT1715	ND	0.55	ug/L	1
30 September 1992	QP2914	ND	0.55	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.55

Method : SW8010					
Analyte : 1,1,1-Trichloroethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.55	ug/L	1
4 August 1992	OJ049	ND	0.55	ug/L	1
7 August 1992	OT0611	ND	0.55	ug/L	1
7 August 1992	OP0610	ND	0.55	ug/L	1
10 August 1992	OT107	ND	0.55	ug/L	1
10 August 1992	OI108	ND	0.55	ug/L	1
30 August 1992	OI308	ND	0.55	ug/L	1
31 August 1992	OP3112	ND	0.55	ug/L	1
8 September 1992	QT088	ND	0.55	ug/L	1
10 September 1992	QJ106	ND	0.55	ug/L	1
11 September 1992	QT1014	ND	0.55	ug/L	1
15 September 1992	QJ145	ND	0.55	ug/L	1
16 September 1992	QJ167	ND	0.55	ug/L	1
17 September 1992	QT178	ND	0.55	ug/L	1
18 September 1992	QT188	ND	0.55	ug/L	1
18 September 1992	QJ189	ND	0.55	ug/L	1
18 September 1992	QP185	ND	0.55	ug/L	1
21 September 1992	QJ217	ND	0.55	ug/L	1
22 September 1992	QI225	ND	0.55	ug/L	1
23 September 1992	QJ2310	ND	0.55	ug/L	1
23 September 1992	QI234	ND	0.55	ug/L	1
24 September 1992	QT246	ND	0.55	ug/L	1
28 September 1992	QI286	ND	0.55	ug/L	1
28 September 1992	QP287	ND	0.55	ug/L	1
29 September 1992	QP296	ND	0.55	ug/L	1
30 September 1992	QT307	ND	0.55	ug/L	1
1 October 1992	SI016	ND	0.55	ug/L	1
2 October 1992	SI026	ND	0.55	ug/L	1
6 October 1992	SP066	ND	0.55	ug/L	1
6 October 1992	SI065	ND	0.55	ug/L	1
7 October 1992	SI076	ND	0.55	ug/L	1
7 October 1992	SP076	ND	0.55	ug/L	1
9 October 1992	SI088	ND	0.55	ug/L	1
9 October 1992	SP086	ND	0.55	ug/L	1
12 October 1992	SI126	ND	0.55	ug/L	1
16 October 1992	SP167	ND	0.55	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1,1-Trichloroethane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.55	ug/L	1
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.55			
Method : SW8010					
Analyte : 1,1,1-Trichloroethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.55	ug/L	1
5 August 1992	OJ0418	ND	0.55	ug/L	1
11 September 1992	QJ1014	ND	0.55	ug/L	1
11 September 1992	QT1019	ND	0.55	ug/L	1
18 September 1992	QT1717	ND	0.55	ug/L	1
18 September 1992	QT1718	ND	0.55	ug/L	1
19 September 1992	QP1814	ND	0.55	ug/L	1
19 September 1992	QT1820	ND	0.55	ug/L	1
22 September 1992	QJ2113	ND	0.55	ug/L	1
24 September 1992	QT2411	ND	0.55	ug/L	1
28 September 1992	QI287	ND	0.55	ug/L	1
28 September 1992	QP2811	ND	0.55	ug/L	1
28 September 1992	QP2813	ND	0.55	ug/L	1
1 October 1992	QT3019	ND	0.55	ug/L	1
3 October 1992	SI0220	ND	0.55	ug/L	1
7 October 1992	SI0617	ND	0.55	ug/L	1
7 October 1992	SP078	ND	0.55	ug/L	1
8 October 1992	SP0722	ND	0.55	ug/L	1
9 October 1992	SI0815	ND	0.55	ug/L	1
12 October 1992	SI128	ND	0.55	ug/L	1
12 October 1992	SI127	ND	0.55	ug/L	1
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.55			
Method : SW8010					
Analyte : 1,1,2,2-Tetrachloroethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.0003	mg/L	1
9 September 1992	QT0822	ND	0.0003	mg/L	1
17 September 1992	QT1716	ND	0.0003	mg/L	1
30 September 1992	QP2913	ND	0.0003	mg/L	1
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0003			

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : 1,1,2,2-Tetrachloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.0003	mg/L	1
9 September 1992	QT0816	ND	0.0003	mg/L	1
11 September 1992	QT1018	ND	0.0003	mg/L	1
17 September 1992	QT1715	ND	0.0003	mg/L	1
30 September 1992	QP2914	ND	0.0003	mg/L	1
-----					
Total Number of Blanks = 5		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0003			
Method : SW8010					
Analyte : 1,1,2,2-Tetrachloroethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0003	mg/L	1
4 August 1992	OJ049	ND	0.0003	mg/L	1
7 August 1992	OT0611	ND	0.0003	mg/L	1
7 August 1992	OP0610	ND	0.0003	mg/L	1
10 August 1992	OT107	ND	0.0003	mg/L	1
10 August 1992	OI108	ND	0.0003	mg/L	1
30 August 1992	OI308	ND	0.0003	mg/L	1
31 August 1992	OP3112	ND	0.0003	mg/L	1
8 September 1992	QT088	ND	0.0003	mg/L	1
10 September 1992	QJ106	ND	0.0003	mg/L	1
11 September 1992	QT1014	ND	0.0003	mg/L	1
15 September 1992	QJ145	ND	0.0003	mg/L	1
16 September 1992	QJ167	ND	0.0003	mg/L	1
17 September 1992	QT178	ND	0.0003	mg/L	1
18 September 1992	QJ189	ND	0.0003	mg/L	1
18 September 1992	QT188	0.00041	0.0003	mg/L	1
18 September 1992	QP185	ND	0.0003	mg/L	1
21 September 1992	QJ217	ND	0.0003	mg/L	1
22 September 1992	QI225	ND	0.0003	mg/L	1
23 September 1992	QI234	ND	0.0003	mg/L	1
23 September 1992	QJ2310	ND	0.0003	mg/L	1
24 September 1992	QT246	ND	0.0003	mg/L	1
28 September 1992	QI286	ND	0.0003	mg/L	1
28 September 1992	QP287	ND	0.0003	mg/L	1
29 September 1992	QP296	ND	0.0003	mg/L	1
30 September 1992	QT307	ND	0.0003	mg/L	1
1 October 1992	SI016	ND	0.0003	mg/L	1
2 October 1992	SI026	ND	0.0003	mg/L	1
6 October 1992	SP066	ND	0.0003	mg/L	1
6 October 1992	SI065	ND	0.0003	mg/L	1
7 October 1992	SI076	ND	0.0003	mg/L	1
7 October 1992	SP076	ND	0.0003	mg/L	1
9 October 1992	SI088	ND	0.0003	mg/L	1
9 October 1992	SP086	ND	0.0003	mg/L	1
12 October 1992	SI126	ND	0.0003	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1,2,2-Tetrachloroethane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0003	mg/L	1
20 October 1992	SP1914	ND	0.0003	mg/L	1
Total Number of Blanks = 37			Concentration Range 0.00041 - 0.00041		
Total Number above Reporting Limit = 1			Maximum Reporting Limit = 0.0003		
Method : SW8010					
Analyte : 1,1,2,2-Tetrachloroethane					
Type of Blank : Trip Blank					
5 August 1992	OJ0418	ND	0.0003	mg/L	1
11 August 1992	OI1018	ND	0.0003	mg/L	1
11 September 1992	QJ1014	ND	0.0003	mg/L	1
11 September 1992	QT1019	ND	0.0003	mg/L	1
18 September 1992	QT1718	ND	0.0003	mg/L	1
18 September 1992	QT1717	ND	0.0003	mg/L	1
19 September 1992	QP1814	ND	0.0003	mg/L	1
19 September 1992	QT1820	ND	0.0003	mg/L	1
22 September 1992	QJ2113	ND	0.0003	mg/L	1
24 September 1992	QT2411	ND	0.0003	mg/L	1
28 September 1992	QI287	ND	0.0003	mg/L	1
28 September 1992	QP2811	ND	0.0003	mg/L	1
28 September 1992	QP2813	ND	0.0003	mg/L	1
1 October 1992	QT3020	ND	0.0003	mg/L	1
1 October 1992	QT3019	ND	0.0003	mg/L	1
3 October 1992	SI0220	ND	0.0003	mg/L	1
7 October 1992	SI0617	ND	0.0003	mg/L	1
8 October 1992	SI0717	ND	0.0003	mg/L	1
9 October 1992	SI0815	ND	0.0003	mg/L	1
12 October 1992	SI1128	ND	0.0003	mg/L	1
12 October 1992	SI1127	ND	0.0003	mg/L	1
Total Number of Blanks = 21			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0003		
Method : SW8010					
Analyte : 1,1,2,2-Tetrachloroethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.3	ug/L	1
9 September 1992	QT0822	ND	0.3	ug/L	1
17 September 1992	QT1716	ND	0.3	ug/L	1
30 September 1992	QP2913	ND	0.3	ug/L	1
Total Number of Blanks = 4			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.3		

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1,2,2-Tetrachloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.3	ug/L	1
9 September 1992	QT0816	ND	0.3	ug/L	1
11 September 1992	QT1018	ND	0.3	ug/L	1
17 September 1992	QT1715	ND	0.3	ug/L	1
30 September 1992	QP2914	ND	0.3	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.3

Method : SW8010					
Analyte : 1,1,2,2-Tetrachloroethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.3	ug/L	1
4 August 1992	OJ049	ND	0.3	ug/L	1
7 August 1992	OP0610	ND	0.3	ug/L	1
7 August 1992	OT0611	ND	0.3	ug/L	1
10 August 1992	OI108	ND	0.3	ug/L	1
10 August 1992	OT107	ND	0.3	ug/L	1
30 August 1992	OI308	ND	0.3	ug/L	1
31 August 1992	OP3112	ND	0.3	ug/L	1
8 September 1992	QT088	ND	0.3	ug/L	1
10 September 1992	QJ106	ND	0.3	ug/L	1
11 September 1992	QT1014	ND	0.3	ug/L	1
15 September 1992	QJ145	ND	0.3	ug/L	1
16 September 1992	QJ167	ND	0.3	ug/L	1
17 September 1992	QT178	ND	0.3	ug/L	1
18 September 1992	QJ189	ND	0.3	ug/L	1
18 September 1992	QT188	0.41	0.3	ug/L	1
18 September 1992	QP185	ND	0.3	ug/L	1
21 September 1992	QJ217	ND	0.3	ug/L	1
22 September 1992	QI225	ND	0.3	ug/L	1
23 September 1992	QI234	ND	0.3	ug/L	1
23 September 1992	QJ2310	ND	0.3	ug/L	1
24 September 1992	QT246	ND	0.3	ug/L	1
28 September 1992	QI286	ND	0.3	ug/L	1
28 September 1992	QP287	ND	0.3	ug/L	1
29 September 1992	QP296	ND	0.3	ug/L	1
30 September 1992	QT307	ND	0.3	ug/L	1
1 October 1992	SI016	ND	0.3	ug/L	1
2 October 1992	SI026	ND	0.3	ug/L	1
6 October 1992	SP066	ND	0.3	ug/L	1
6 October 1992	SI065	ND	0.3	ug/L	1
7 October 1992	SP076	ND	0.3	ug/L	1
7 October 1992	SI076	ND	0.3	ug/L	1
9 October 1992	SP086	ND	0.3	ug/L	1
9 October 1992	SI088	ND	0.3	ug/L	1
12 October 1992	SI126	ND	0.3	ug/L	1
16 October 1992	SP167	ND	0.3	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1,2,2-Tetrachloroethane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.3	ug/L	1
Total Number of Blanks = 37		Concentration Range 0.41 - 0.41			
Total Number above Reporting Limit = 1		Maximum Reporting Limit = 0.3			
Method : SW8010					
Analyte : 1,1,2,2-Tetrachloroethane					
Type of Blank : Trip Blank					
5 August 1992	OJ0418	ND	0.3	ug/L	1
11 August 1992	OI1018	ND	0.3	ug/L	1
11 September 1992	QT1019	ND	0.3	ug/L	1
11 September 1992	QJ1014	ND	0.3	ug/L	1
18 September 1992	QT1717	ND	0.3	ug/L	1
18 September 1992	QT1718	ND	0.3	ug/L	1
19 September 1992	QP1814	ND	0.3	ug/L	1
19 September 1992	QT1820	ND	0.3	ug/L	1
22 September 1992	QJ2113	ND	0.3	ug/L	1
24 September 1992	QT2411	ND	0.3	ug/L	1
28 September 1992	QI287	ND	0.3	ug/L	1
28 September 1992	QP2813	ND	0.3	ug/L	1
28 September 1992	QP2811	ND	0.3	ug/L	1
1 October 1992	QT3019	ND	0.3	ug/L	1
1 October 1992	QT3020	ND	0.3	ug/L	1
3 October 1992	SI0220	ND	0.3	ug/L	1
7 October 1992	SI0617	ND	0.3	ug/L	1
8 October 1992	SI0717	ND	0.3	ug/L	1
9 October 1992	SI0815	ND	0.3	ug/L	1
12 October 1992	SI128	ND	0.3	ug/L	1
12 October 1992	SI127	ND	0.3	ug/L	1
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.3			
Method : SW8010					
Analyte : 1,1,2-Trichloroethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.0002	mg/L	1
9 September 1992	QT0822	ND	0.0002	mg/L	1
17 September 1992	QT1716	ND	0.0002	mg/L	1
30 September 1992	QP2913	ND	0.0002	mg/L	1
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0002			



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1,2-Trichloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.0002	mg/L	1
9 September 1992	QT0816	ND	0.0002	mg/L	1
11 September 1992	QT1018	ND	0.0002	mg/L	1
17 September 1992	QT1715	ND	0.0002	mg/L	1
30 September 1992	QP2914	ND	0.0002	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0002

Method : SW8010					
Analyte : 1,1,2-Trichloroethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0002	mg/L	1
4 August 1992	OJ049	ND	0.0002	mg/L	1
7 August 1992	OT0611	ND	0.0002	mg/L	1
7 August 1992	OP0610	ND	0.0002	mg/L	1
10 August 1992	OI108	ND	0.0002	mg/L	1
10 August 1992	OT107	ND	0.0002	mg/L	1
30 August 1992	OI308	ND	0.0002	mg/L	1
31 August 1992	OP3112	ND	0.0002	mg/L	1
8 September 1992	QT088	ND	0.0002	mg/L	1
10 September 1992	QJ106	ND	0.0002	mg/L	1
11 September 1992	QT1014	ND	0.0002	mg/L	1
15 September 1992	QJ145	ND	0.0002	mg/L	1
16 September 1992	QJ167	ND	0.0002	mg/L	1
17 September 1992	QT178	ND	0.0002	mg/L	1
18 September 1992	QT188	ND	0.0002	mg/L	1
18 September 1992	QJ189	ND	0.0002	mg/L	1
18 September 1992	QP185	ND	0.0002	mg/L	1
21 September 1992	QJ217	ND	0.0002	mg/L	1
22 September 1992	QI225	ND	0.0002	mg/L	1
23 September 1992	QI234	ND	0.0002	mg/L	1
23 September 1992	QJ2310	ND	0.0002	mg/L	1
24 September 1992	QT246	ND	0.0002	mg/L	1
28 September 1992	QI286	ND	0.0002	mg/L	1
28 September 1992	QP287	ND	0.0002	mg/L	1
29 September 1992	QP296	ND	0.0002	mg/L	1
30 September 1992	QT307	ND	0.0002	mg/L	1
1 October 1992	SI016	ND	0.0002	mg/L	1
2 October 1992	SI026	ND	0.0002	mg/L	1
6 October 1992	SP066	ND	0.0002	mg/L	1
6 October 1992	SI065	ND	0.0002	mg/L	1
7 October 1992	SP076	ND	0.0002	mg/L	1
7 October 1992	SI076	ND	0.0002	mg/L	1
9 October 1992	SP086	ND	0.0002	mg/L	1
9 October 1992	SI088	ND	0.0002	mg/L	1
12 October 1992	SI126	ND	0.0002	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1,2-Trichloroethane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0002	mg/L	1
20 October 1992	SP1914	ND	0.0002	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0002

Method : SW8010					
Analyte : 1,1,2-Trichloroethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0002	mg/L	1
5 August 1992	OJ0418	ND	0.0002	mg/L	1
9 September 1992	QT0819	ND	0.0002	mg/L	1
11 September 1992	QT1019	ND	0.0002	mg/L	1
18 September 1992	QT1718	ND	0.0002	mg/L	1
18 September 1992	QT1717	ND	0.0002	mg/L	1
19 September 1992	QP1814	ND	0.0002	mg/L	1
19 September 1992	QT1820	ND	0.0002	mg/L	1
22 September 1992	QJ2113	ND	0.0002	mg/L	1
24 September 1992	QT2411	ND	0.0002	mg/L	1
28 September 1992	QI287	ND	0.0002	mg/L	1
28 September 1992	QP2811	ND	0.0002	mg/L	1
28 September 1992	QP2813	ND	0.0002	mg/L	1
1 October 1992	QT3019	ND	0.0002	mg/L	1
1 October 1992	QT3020	ND	0.0002	mg/L	1
3 October 1992	SI0220	ND	0.0002	mg/L	1
7 October 1992	SI0617	ND	0.0002	mg/L	1
8 October 1992	SI0717	ND	0.0002	mg/L	1
9 October 1992	SI0815	ND	0.0002	mg/L	1
12 October 1992	SI128	ND	0.0002	mg/L	1
12 October 1992	SI127	ND	0.0002	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0002

Method : SW8010					
Analyte : 1,1,2-Trichloroethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.2	ug/L	1
9 September 1992	QT0822	ND	0.2	ug/L	1
17 September 1992	QT1716	ND	0.2	ug/L	1
30 September 1992	QP2913	ND	0.2	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : 1,1,2-Trichloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.2	ug/L	1
9 September 1992	QT0816	ND	0.2	ug/L	1
11 September 1992	QT1018	ND	0.2	ug/L	1
17 September 1992	QT1715	ND	0.2	ug/L	1
30 September 1992	QP2914	ND	0.2	ug/L	1

Total Number of Blanks = 5

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.2

Method : SW8010  
 Analyte : 1,1,2-Trichloroethane  
 Type of Blank : Method Blank

3 August 1992	OP037	ND	0.2	ug/L	1
4 August 1992	OJ049	ND	0.2	ug/L	1
7 August 1992	OP0610	ND	0.2	ug/L	1
7 August 1992	OT0611	ND	0.2	ug/L	1
10 August 1992	OI108	ND	0.2	ug/L	1
10 August 1992	OT107	ND	0.2	ug/L	1
30 August 1992	OI308	ND	0.2	ug/L	1
31 August 1992	OP3112	ND	0.2	ug/L	1
8 September 1992	QT088	ND	0.2	ug/L	1
10 September 1992	QJ106	ND	0.2	ug/L	1
11 September 1992	QT1014	ND	0.2	ug/L	1
15 September 1992	QJ145	ND	0.2	ug/L	1
16 September 1992	QJ167	ND	0.2	ug/L	1
17 September 1992	QT178	ND	0.2	ug/L	1
18 September 1992	QJ189	ND	0.2	ug/L	1
18 September 1992	QT188	ND	0.2	ug/L	1
18 September 1992	QP185	ND	0.2	ug/L	1
21 September 1992	QJ217	ND	0.2	ug/L	1
22 September 1992	QI225	ND	0.2	ug/L	1
23 September 1992	QJ2310	ND	0.2	ug/L	1
23 September 1992	QI234	ND	0.2	ug/L	1
24 September 1992	QT246	ND	0.2	ug/L	1
28 September 1992	QI286	ND	0.2	ug/L	1
28 September 1992	QP287	ND	0.2	ug/L	1
29 September 1992	QP296	ND	0.2	ug/L	1
30 September 1992	QT307	ND	0.2	ug/L	1
1 October 1992	SI016	ND	0.2	ug/L	1
2 October 1992	SI026	ND	0.2	ug/L	1
6 October 1992	SP066	ND	0.2	ug/L	1
6 October 1992	SI065	ND	0.2	ug/L	1
7 October 1992	SP076	ND	0.2	ug/L	1
7 October 1992	SI076	ND	0.2	ug/L	1
9 October 1992	SP086	ND	0.2	ug/L	1
9 October 1992	SI088	ND	0.2	ug/L	1
12 October 1992	SI126	ND	0.2	ug/L	1
16 October 1992	SP167	ND	0.2	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1,2-Trichloroethane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.2	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

Method : SW8010  
 Analyte : 1,1,2-Trichloroethane  
 Type of Blank : Trip Blank

4 August 1992	OP0323	ND	0.2	ug/L	1
5 August 1992	OJ0418	ND	0.2	ug/L	1
9 September 1992	QT0819	ND	0.2	ug/L	1
11 September 1992	QT1019	ND	0.2	ug/L	1
18 September 1992	QT1717	ND	0.2	ug/L	1
18 September 1992	QT1718	ND	0.2	ug/L	1
19 September 1992	QP1814	ND	0.2	ug/L	1
19 September 1992	QT1820	ND	0.2	ug/L	1
22 September 1992	QJ2113	ND	0.2	ug/L	1
24 September 1992	QT2411	ND	0.2	ug/L	1
28 September 1992	QI287	ND	0.2	ug/L	1
28 September 1992	QP2813	ND	0.2	ug/L	1
28 September 1992	QP2811	ND	0.2	ug/L	1
1 October 1992	QT3019	ND	0.2	ug/L	1
1 October 1992	QT3020	ND	0.2	ug/L	1
3 October 1992	SI0220	ND	0.2	ug/L	1
7 October 1992	SI0617	ND	0.2	ug/L	1
8 October 1992	SI0717	ND	0.2	ug/L	1
9 October 1992	SI0815	ND	0.2	ug/L	1
12 October 1992	SI128	ND	0.2	ug/L	1
12 October 1992	SI127	ND	0.2	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

Method : SW8010  
 Analyte : 1,1-Dichloroethane  
 Type of Blank : Ambient Conditions Blank

9 September 1992	QT0817	ND	0.0005	mg/L	1
9 September 1992	QT0822	ND	0.0005	mg/L	1
17 September 1992	QT1716	ND	0.0005	mg/L	1
30 September 1992	QP2913	ND	0.0005	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0005

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1-Dichloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.0005	mg/L	1
9 September 1992	QT0821	ND	0.0005	mg/L	1
11 September 1992	QT1018	ND	0.0005	mg/L	1
17 September 1992	QT1715	ND	0.0005	mg/L	1
30 September 1992	QP2914	ND	0.0005	mg/L	1

Total Number of Blanks = 5

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.0005

Method : SW8010					
Analyte : 1,1-Dichloroethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0005	mg/L	1
4 August 1992	OJ049	ND	0.0005	mg/L	1
7 August 1992	OP0610	ND	0.0005	mg/L	1
7 August 1992	OT0611	ND	0.0005	mg/L	1
10 August 1992	OT107	ND	0.0005	mg/L	1
10 August 1992	OI108	ND	0.0005	mg/L	1
30 August 1992	OI308	ND	0.0005	mg/L	1
31 August 1992	OP3112	ND	0.0005	mg/L	1
8 September 1992	QT088	ND	0.0005	mg/L	1
10 September 1992	QJ106	ND	0.0005	mg/L	1
11 September 1992	QT1014	ND	0.0005	mg/L	1
15 September 1992	QJ145	ND	0.0005	mg/L	1
16 September 1992	QJ167	ND	0.0005	mg/L	1
17 September 1992	QT178	ND	0.0005	mg/L	1
18 September 1992	QT188	ND	0.0005	mg/L	1
18 September 1992	QJ189	ND	0.0005	mg/L	1
18 September 1992	QP185	ND	0.0005	mg/L	1
21 September 1992	QJ217	ND	0.0005	mg/L	1
22 September 1992	QI225	ND	0.0005	mg/L	1
23 September 1992	QJ2310	ND	0.0005	mg/L	1
23 September 1992	QI234	ND	0.0005	mg/L	1
24 September 1992	QT246	ND	0.0005	mg/L	1
28 September 1992	QI286	ND	0.0005	mg/L	1
28 September 1992	QP287	ND	0.0005	mg/L	1
29 September 1992	QP296	ND	0.0005	mg/L	1
30 September 1992	QT307	ND	0.0005	mg/L	1
1 October 1992	SI016	ND	0.0005	mg/L	1
2 October 1992	SI026	ND	0.0005	mg/L	1
6 October 1992	SI065	ND	0.0005	mg/L	1
6 October 1992	SP066	ND	0.0005	mg/L	1
7 October 1992	SP076	ND	0.0005	mg/L	1
7 October 1992	SI076	ND	0.0005	mg/L	1
9 October 1992	SI088	ND	0.0005	mg/L	1
9 October 1992	SP086	ND	0.0005	mg/L	1
12 October 1992	SI126	ND	0.0005	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1-Dichloroethane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0005	mg/L	1
20 October 1992	SP1914	ND	0.0005	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0005

Method : SW8010  
 Analyte : 1,1-Dichloroethane  
 Type of Blank : Trip Blank

4 August 1992	OP0323	ND	0.0005	mg/L	1
5 August 1992	OJ0418	ND	0.0005	mg/L	1
9 September 1992	QT0819	ND	0.0005	mg/L	1
11 September 1992	QT1019	ND	0.0005	mg/L	1
18 September 1992	QT1718	ND	0.0005	mg/L	1
18 September 1992	QT1717	ND	0.0005	mg/L	1
19 September 1992	QP1814	ND	0.0005	mg/L	1
19 September 1992	QT1820	ND	0.0005	mg/L	1
22 September 1992	QJ2113	ND	0.0005	mg/L	1
24 September 1992	QT2411	ND	0.0005	mg/L	1
28 September 1992	QI287	ND	0.0005	mg/L	1
28 September 1992	QP2811	ND	0.0005	mg/L	1
28 September 1992	QP2813	ND	0.0005	mg/L	1
1 October 1992	QT3019	ND	0.0005	mg/L	1
1 October 1992	QT3020	ND	0.0005	mg/L	1
3 October 1992	SI0220	ND	0.0005	mg/L	1
7 October 1992	SI0617	ND	0.0005	mg/L	1
8 October 1992	SI0717	ND	0.0005	mg/L	1
9 October 1992	SI0815	ND	0.0005	mg/L	1
12 October 1992	SI128	ND	0.0005	mg/L	1
12 October 1992	SI127	ND	0.0005	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0005

Method : SW8010  
 Analyte : 1,1-Dichloroethane  
 Type of Blank : Ambient Conditions Blank

9 September 1992	QT0822	ND	0.5	ug/L	1
9 September 1992	QT0817	ND	0.5	ug/L	1
17 September 1992	QT1716	ND	0.5	ug/L	1
30 September 1992	QP2913	ND	0.5	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.5

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1-Dichloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.5	ug/L	1
9 September 1992	QT0821	ND	0.5	ug/L	1
11 September 1992	QT1018	ND	0.5	ug/L	1
17 September 1992	QT1715	ND	0.5	ug/L	1
30 September 1992	QP2914	ND	0.5	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.5

Method : SW8010					
Analyte : 1,1-Dichloroethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.5	ug/L	1
4 August 1992	OJ049	ND	0.5	ug/L	1
7 August 1992	OP0610	ND	0.5	ug/L	1
7 August 1992	OT0611	ND	0.5	ug/L	1
10 August 1992	OT107	ND	0.5	ug/L	1
10 August 1992	OI108	ND	0.5	ug/L	1
30 August 1992	OI308	ND	0.5	ug/L	1
31 August 1992	OP3112	ND	0.5	ug/L	1
8 September 1992	QT088	ND	0.5	ug/L	1
10 September 1992	QJ106	ND	0.5	ug/L	1
11 September 1992	QT1014	ND	0.5	ug/L	1
15 September 1992	QJ145	ND	0.5	ug/L	1
16 September 1992	QJ167	ND	0.5	ug/L	1
17 September 1992	QT178	ND	0.5	ug/L	1
18 September 1992	QT188	ND	0.5	ug/L	1
18 September 1992	QJ189	ND	0.5	ug/L	1
18 September 1992	QP185	ND	0.5	ug/L	1
21 September 1992	QJ217	ND	0.5	ug/L	1
22 September 1992	QI225	ND	0.5	ug/L	1
23 September 1992	QJ2310	ND	0.5	ug/L	1
23 September 1992	QI234	ND	0.5	ug/L	1
24 September 1992	QT246	ND	0.5	ug/L	1
28 September 1992	QI286	ND	0.5	ug/L	1
28 September 1992	QP287	ND	0.5	ug/L	1
29 September 1992	QP296	ND	0.5	ug/L	1
30 September 1992	QT307	ND	0.5	ug/L	1
1 October 1992	SI016	ND	0.5	ug/L	1
2 October 1992	SI026	ND	0.5	ug/L	1
6 October 1992	SP066	ND	0.5	ug/L	1
6 October 1992	SI065	ND	0.5	ug/L	1
7 October 1992	SP076	ND	0.5	ug/L	1
7 October 1992	SI076	ND	0.5	ug/L	1
9 October 1992	SP086	ND	0.5	ug/L	1
9 October 1992	SI088	ND	0.5	ug/L	1
12 October 1992	SI126	ND	0.5	ug/L	1
16 October 1992	SP167	ND	0.5	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1-Dichloroethane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.5	ug/L	1
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.5			
Method : SW8010					
Analyte : 1,1-Dichloroethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.5	ug/L	1
5 August 1992	OJ0418	ND	0.5	ug/L	1
9 September 1992	QT0819	ND	0.5	ug/L	1
11 September 1992	QT1019	ND	0.5	ug/L	1
18 September 1992	QT1718	ND	0.5	ug/L	1
18 September 1992	QT1717	ND	0.5	ug/L	1
19 September 1992	QP1814	ND	0.5	ug/L	1
19 September 1992	QT1820	ND	0.5	ug/L	1
22 September 1992	QJ2113	ND	0.5	ug/L	1
24 September 1992	QT2411	ND	0.5	ug/L	1
28 September 1992	QI287	ND	0.5	ug/L	1
28 September 1992	QP2813	ND	0.5	ug/L	1
28 September 1992	QP2811	ND	0.5	ug/L	1
1 October 1992	QT3019	ND	0.5	ug/L	1
1 October 1992	QT3020	ND	0.5	ug/L	1
3 October 1992	SI0220	ND	0.5	ug/L	1
7 October 1992	SI0617	ND	0.5	ug/L	1
8 October 1992	SI0717	ND	0.5	ug/L	1
9 October 1992	SI0815	ND	0.5	ug/L	1
12 October 1992	SI128	ND	0.5	ug/L	1
12 October 1992	SI127	ND	0.5	ug/L	1
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.5			
Method : SW8010					
Analyte : 1,1-Dichloroethene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.0007	mg/L	1
9 September 1992	QT0822	ND	0.0007	mg/L	1
17 September 1992	QT1716	ND	0.0007	mg/L	1
30 September 1992	QP2913	ND	0.0007	mg/L	1
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0007			



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1-Dichloroethene					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.0007	mg/L	1
9 September 1992	QT0816	ND	0.0007	mg/L	1
11 September 1992	QT1018	ND	0.0007	mg/L	1
17 September 1992	QT1715	ND	0.0007	mg/L	1
30 September 1992	QP2914	ND	0.0007	mg/L	1
-----					
Total Number of Blanks = 5		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0007			
Method : SW8010					
Analyte : 1,1-Dichloroethene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0007	mg/L	1
4 August 1992	OJ049	ND	0.0007	mg/L	1
7 August 1992	OP0610	ND	0.0007	mg/L	1
7 August 1992	OT0611	ND	0.0007	mg/L	1
10 August 1992	OT107	ND	0.0007	mg/L	1
10 August 1992	OT108	ND	0.0007	mg/L	1
30 August 1992	OT308	ND	0.0007	mg/L	1
31 August 1992	OP3112	ND	0.0007	mg/L	1
8 September 1992	QT088	ND	0.0007	mg/L	1
10 September 1992	QJ106	ND	0.0007	mg/L	1
11 September 1992	QT1014	ND	0.0007	mg/L	1
15 September 1992	QJ145	ND	0.0007	mg/L	1
16 September 1992	QJ167	ND	0.0007	mg/L	1
17 September 1992	QT178	ND	0.0007	mg/L	1
18 September 1992	QT188	ND	0.0007	mg/L	1
18 September 1992	QJ189	ND	0.0007	mg/L	1
18 September 1992	QP185	ND	0.0007	mg/L	1
21 September 1992	QJ217	ND	0.0007	mg/L	1
22 September 1992	QI225	ND	0.0007	mg/L	1
23 September 1992	QJ2310	ND	0.0007	mg/L	1
23 September 1992	QI234	ND	0.0007	mg/L	1
24 September 1992	QT246	ND	0.0007	mg/L	1
28 September 1992	QI286	ND	0.0007	mg/L	1
28 September 1992	QP287	ND	0.0007	mg/L	1
29 September 1992	QP296	ND	0.0007	mg/L	1
30 September 1992	QT307	ND	0.0007	mg/L	1
1 October 1992	SI016	ND	0.0007	mg/L	1
2 October 1992	SI026	ND	0.0007	mg/L	1
6 October 1992	SI065	ND	0.0007	mg/L	1
6 October 1992	SP066	ND	0.0007	mg/L	1
7 October 1992	SI076	ND	0.0007	mg/L	1
7 October 1992	SP076	ND	0.0007	mg/L	1
9 October 1992	SI088	ND	0.0007	mg/L	1
9 October 1992	SP086	ND	0.0007	mg/L	1
12 October 1992	SI126	ND	0.0007	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1-Dichloroethene, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0007	mg/L	1
20 October 1992	SP1914	ND	0.0007	mg/L	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.0007

Method : SW8010  
 Analyte : 1,1-Dichloroethene  
 Type of Blank : Trip Blank

4 August 1992	OP0323	ND	0.0007	mg/L	1
5 August 1992	OJ0418	ND	0.0007	mg/L	1
9 September 1992	QT0819	ND	0.0007	mg/L	1
11 September 1992	QT1019	ND	0.0007	mg/L	1
18 September 1992	QT1718	ND	0.0007	mg/L	1
18 September 1992	QT1717	ND	0.0007	mg/L	1
19 September 1992	QT1820	ND	0.0007	mg/L	1
19 September 1992	QP1814	ND	0.0007	mg/L	1
22 September 1992	QJ2113	ND	0.0007	mg/L	1
24 September 1992	QT2411	ND	0.0007	mg/L	1
28 September 1992	QI287	ND	0.0007	mg/L	1
28 September 1992	QP2811	ND	0.0007	mg/L	1
28 September 1992	QP2813	ND	0.0007	mg/L	1
1 October 1992	QT3019	ND	0.0007	mg/L	1
1 October 1992	QT3020	ND	0.0007	mg/L	1
3 October 1992	SI0220	ND	0.0007	mg/L	1
7 October 1992	SI0617	ND	0.0007	mg/L	1
8 October 1992	SI0717	ND	0.0007	mg/L	1
9 October 1992	SI0815	ND	0.0007	mg/L	1
12 October 1992	SI128	ND	0.0007	mg/L	1
12 October 1992	SI127	ND	0.0007	mg/L	1

Total Number of Blanks = 21

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.0007

Method : SW8010  
 Analyte : 1,1-Dichloroethene  
 Type of Blank : Ambient Conditions Blank

9 September 1992	QT0817	ND	0.7	ug/L	1
9 September 1992	QT0822	ND	0.7	ug/L	1
17 September 1992	QT1716	ND	0.7	ug/L	1
30 September 1992	QP2913	ND	0.7	ug/L	1

Total Number of Blanks = 4

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.7

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,1-Dichloroethene					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.7	ug/L	1
9 September 1992	QT0821	ND	0.7	ug/L	1
11 September 1992	QT1018	ND	0.7	ug/L	1
17 September 1992	QT1715	ND	0.7	ug/L	1
30 September 1992	QP2914	ND	0.7	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.7

Method : SW8010					
Analyte : 1,1-Dichloroethene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.7	ug/L	1
4 August 1992	OJ049	ND	0.7	ug/L	1
7 August 1992	OP0610	ND	0.7	ug/L	1
7 August 1992	OT0611	ND	0.7	ug/L	1
10 August 1992	OI108	ND	0.7	ug/L	1
10 August 1992	OT107	ND	0.7	ug/L	1
30 August 1992	OI308	ND	0.7	ug/L	1
31 August 1992	OP3112	ND	0.7	ug/L	1
8 September 1992	QT088	ND	0.7	ug/L	1
10 September 1992	QJ106	ND	0.7	ug/L	1
11 September 1992	QT1014	ND	0.7	ug/L	1
15 September 1992	QJ145	ND	0.7	ug/L	1
16 September 1992	QJ167	ND	0.7	ug/L	1
17 September 1992	QT178	ND	0.7	ug/L	1
18 September 1992	QJ189	ND	0.7	ug/L	1
18 September 1992	QT188	ND	0.7	ug/L	1
18 September 1992	QP185	ND	0.7	ug/L	1
21 September 1992	QJ217	ND	0.7	ug/L	1
22 September 1992	QI225	ND	0.7	ug/L	1
23 September 1992	QJ2310	ND	0.7	ug/L	1
23 September 1992	QI234	ND	0.7	ug/L	1
24 September 1992	QT246	ND	0.7	ug/L	1
28 September 1992	QI286	ND	0.7	ug/L	1
28 September 1992	QP287	ND	0.7	ug/L	1
29 September 1992	QP296	ND	0.7	ug/L	1
30 September 1992	QT307	ND	0.7	ug/L	1
1 October 1992	SI016	ND	0.7	ug/L	1
2 October 1992	SI026	ND	0.7	ug/L	1
6 October 1992	SI065	ND	0.7	ug/L	1
6 October 1992	SP066	ND	0.7	ug/L	1
7 October 1992	SP076	ND	0.7	ug/L	1
7 October 1992	SI076	ND	0.7	ug/L	1
9 October 1992	SI088	ND	0.7	ug/L	1
9 October 1992	SP086	ND	0.7	ug/L	1
12 October 1992	SI126	ND	0.7	ug/L	1
16 October 1992	SP167	ND	0.7	ug/L	1

TABLE A-5

DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : 1,1-Dichloroethene, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.7	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.7

Method : SW8010  
 Analyte : 1,1-Dichloroethene  
 Type of Blank : Trip Blank

4 August 1992	OP0323	ND	0.7	ug/L	1
5 August 1992	OJ0418	ND	0.7	ug/L	1
9 September 1992	QT0819	ND	0.7	ug/L	1
11 September 1992	QT1019	ND	0.7	ug/L	1
18 September 1992	QT1717	ND	0.7	ug/L	1
18 September 1992	QT1718	ND	0.7	ug/L	1
19 September 1992	QP1814	ND	0.7	ug/L	1
19 September 1992	QT1820	ND	0.7	ug/L	1
22 September 1992	QJ2113	ND	0.7	ug/L	1
24 September 1992	QT2411	ND	0.7	ug/L	1
28 September 1992	QI287	ND	0.7	ug/L	1
28 September 1992	QP2813	ND	0.7	ug/L	1
28 September 1992	QP2811	ND	0.7	ug/L	1
1 October 1992	QT3019	ND	0.7	ug/L	1
1 October 1992	QT3020	ND	0.7	ug/L	1
3 October 1992	SI0220	ND	0.7	ug/L	1
7 October 1992	SI0617	ND	0.7	ug/L	1
8 October 1992	SI0717	ND	0.7	ug/L	1
9 October 1992	SI0815	ND	0.7	ug/L	1
12 October 1992	SI1128	ND	0.7	ug/L	1
12 October 1992	SI1127	ND	0.7	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.7

Method : SW8010  
 Analyte : 1,2,3-Trichloropropane  
 Type of Blank : Ambient Conditions Blank

9 September 1992	QT0822	ND	0.0016	mg/L	1
9 September 1992	QT0817	ND	0.0016	mg/L	1
17 September 1992	QT1716	ND	0.0016	mg/L	1
30 September 1992	QP2913	ND	0.0016	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0016

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : 1,2,3-Trichloropropane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.0016	mg/L	1
9 September 1992	QT0816	ND	0.0016	mg/L	1
11 September 1992	QT1018	ND	0.0016	mg/L	1
17 September 1992	QT1715	ND	0.0016	mg/L	1
30 September 1992	QP2914	ND	0.0016	mg/L	1

Total Number of Blanks = 5

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.0016

Method : SW8010					
Analyte : 1,2,3-Trichloropropane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0016	mg/L	1
4 August 1992	OJ049	ND	0.0016	mg/L	1
7 August 1992	OT0611	ND	0.0016	mg/L	1
7 August 1992	OP0610	ND	0.0016	mg/L	1
10 August 1992	OT107	ND	0.0016	mg/L	1
10 August 1992	OI108	ND	0.0016	mg/L	1
30 August 1992	OI308	ND	0.0016	mg/L	1
31 August 1992	OP3112	ND	0.0016	mg/L	1
8 September 1992	QT088	ND	0.0016	mg/L	1
10 September 1992	QJ106	ND	0.0016	mg/L	1
11 September 1992	QT1014	ND	0.0016	mg/L	1
15 September 1992	QJ145	ND	0.0016	mg/L	1
16 September 1992	QJ167	ND	0.0016	mg/L	1
17 September 1992	QT178	ND	0.0016	mg/L	1
18 September 1992	QJ189	ND	0.0016	mg/L	1
18 September 1992	QT188	ND	0.0016	mg/L	1
18 September 1992	QP185	ND	0.0016	mg/L	1
21 September 1992	QJ217	ND	0.0016	mg/L	1
22 September 1992	QI225	ND	0.0016	mg/L	1
23 September 1992	QI234	ND	0.0016	mg/L	1
23 September 1992	QJ2310	ND	0.0016	mg/L	1
24 September 1992	QT246	ND	0.0016	mg/L	1
28 September 1992	QI286	ND	0.0016	mg/L	1
28 September 1992	QP287	ND	0.0016	mg/L	1
29 September 1992	QP296	ND	0.0016	mg/L	1
30 September 1992	QT307	ND	0.0016	mg/L	1
1 October 1992	SI016	ND	0.0016	mg/L	1
2 October 1992	SI026	ND	0.0016	mg/L	1
6 October 1992	SP066	ND	0.0016	mg/L	1
6 October 1992	SI065	ND	0.0016	mg/L	1
7 October 1992	SP076	ND	0.0016	mg/L	1
7 October 1992	SI076	ND	0.0016	mg/L	1
9 October 1992	SP086	ND	0.0016	mg/L	1
9 October 1992	SI088	ND	0.0016	mg/L	1
12 October 1992	SI126	ND	0.0016	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,2,3-Trichloropropane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0016	mg/L	1
20 October 1992	SP1914	ND	0.0016	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0016

Method : SW8010					
Analyte : 1,2,3-Trichloropropane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0016	mg/L	1
5 August 1992	OJ0418	ND	0.0016	mg/L	1
9 September 1992	QT0819	ND	0.0016	mg/L	1
11 September 1992	QT1019	ND	0.0016	mg/L	1
18 September 1992	QT1717	ND	0.0016	mg/L	1
18 September 1992	QT1718	ND	0.0016	mg/L	1
19 September 1992	QT1820	ND	0.0016	mg/L	1
19 September 1992	QP1814	ND	0.0016	mg/L	1
22 September 1992	QJ2113	ND	0.0016	mg/L	1
24 September 1992	QT2411	ND	0.0016	mg/L	1
28 September 1992	QI287	ND	0.0016	mg/L	1
28 September 1992	QP2811	ND	0.0016	mg/L	1
28 September 1992	QP2813	ND	0.0016	mg/L	1
1 October 1992	QT3020	ND	0.0016	mg/L	1
1 October 1992	QT3019	ND	0.0016	mg/L	1
3 October 1992	SI0220	ND	0.0016	mg/L	1
7 October 1992	SI0617	ND	0.0016	mg/L	1
8 October 1992	SI0717	ND	0.0016	mg/L	1
9 October 1992	SI0815	ND	0.0016	mg/L	1
12 October 1992	SI128	ND	0.0016	mg/L	1
12 October 1992	SI127	ND	0.0016	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0016

Method : SW8010					
Analyte : 1,2,3-Trichloropropane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	1.6	ug/L	1
9 September 1992	QT0817	ND	1.6	ug/L	1
17 September 1992	QT1716	ND	1.6	ug/L	1
30 September 1992	QP2913	ND	1.6	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1.6

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : 1,2,3-Trichloropropane					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	1.6	ug/L	1
9 September 1992	QT0821	ND	1.6	ug/L	1
11 September 1992	QT1018	ND	1.6	ug/L	1
17 September 1992	QT1715	ND	1.6	ug/L	1
30 September 1992	QP2914	ND	1.6	ug/L	1

Total Number of Blanks = 5

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 1.6

Method : SW8010					
Analyte : 1,2,3-Trichloropropane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	1.6	ug/L	1
4 August 1992	OJ049	ND	1.6	ug/L	1
7 August 1992	OT0611	ND	1.6	ug/L	1
7 August 1992	OP0610	ND	1.6	ug/L	1
10 August 1992	OT107	ND	1.6	ug/L	1
10 August 1992	OI108	ND	1.6	ug/L	1
30 August 1992	OI308	ND	1.6	ug/L	1
31 August 1992	OP3112	ND	1.6	ug/L	1
8 September 1992	QT088	ND	1.6	ug/L	1
10 September 1992	QJ106	ND	1.6	ug/L	1
11 September 1992	QT1014	ND	1.6	ug/L	1
15 September 1992	QJ145	ND	1.6	ug/L	1
16 September 1992	QJ167	ND	1.6	ug/L	1
17 September 1992	QT178	ND	1.6	ug/L	1
18 September 1992	QJ189	ND	1.6	ug/L	1
18 September 1992	QT188	ND	1.6	ug/L	1
18 September 1992	QP185	ND	1.6	ug/L	1
21 September 1992	QJ217	ND	1.6	ug/L	1
22 September 1992	QI225	ND	1.6	ug/L	1
23 September 1992	QI234	ND	1.6	ug/L	1
23 September 1992	QJ2310	ND	1.6	ug/L	1
24 September 1992	QT246	ND	1.6	ug/L	1
28 September 1992	QI286	ND	1.6	ug/L	1
28 September 1992	QP287	ND	1.6	ug/L	1
29 September 1992	QP296	ND	1.6	ug/L	1
30 September 1992	QT307	ND	1.6	ug/L	1
1 October 1992	SI016	ND	1.6	ug/L	1
2 October 1992	SI026	ND	1.6	ug/L	1
6 October 1992	SP066	ND	1.6	ug/L	1
6 October 1992	SI065	ND	1.6	ug/L	1
7 October 1992	SP076	ND	1.6	ug/L	1
7 October 1992	SI076	ND	1.6	ug/L	1
9 October 1992	SP086	ND	1.6	ug/L	1
9 October 1992	SI088	ND	1.6	ug/L	1
12 October 1992	SI126	ND	1.6	ug/L	1
16 October 1992	SP167	ND	1.6	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : 1,2,3-Trichloropropane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	1.6	ug/L	1
-----					
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 1.6			
Method : SW8010					
Analyte : 1,2,3-Trichloropropane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	1.6	ug/L	1
5 August 1992	OJ0418	ND	1.6	ug/L	1
9 September 1992	QT0819	ND	1.6	ug/L	1
11 September 1992	QT1019	ND	1.6	ug/L	1
18 September 1992	QT1718	ND	1.6	ug/L	1
18 September 1992	QT1717	ND	1.6	ug/L	1
19 September 1992	QP1814	ND	1.6	ug/L	1
19 September 1992	QT1820	ND	1.6	ug/L	1
22 September 1992	QJ2113	ND	1.6	ug/L	1
24 September 1992	QT2411	ND	1.6	ug/L	1
28 September 1992	QI287	ND	1.6	ug/L	1
28 September 1992	QP2811	ND	1.6	ug/L	1
28 September 1992	QP2813	ND	1.6	ug/L	1
1 October 1992	QT3019	ND	1.6	ug/L	1
1 October 1992	QT3020	ND	1.6	ug/L	1
3 October 1992	SI0220	ND	1.6	ug/L	1
7 October 1992	SI0617	ND	1.6	ug/L	1
8 October 1992	SI0717	ND	1.6	ug/L	1
9 October 1992	SI0815	ND	1.6	ug/L	1
12 October 1992	SI128	ND	1.6	ug/L	1
12 October 1992	SI127	ND	1.6	ug/L	1
-----					
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 1.6			
Method : SW8010					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.00025	mg/L	1
9 September 1992	QT0817	ND	0.00025	mg/L	1
17 September 1992	QT1716	ND	0.00025	mg/L	1
30 September 1992	QP2913	ND	0.00025	mg/L	1
-----					
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.00025			



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.00025	mg/L	1
9 September 1992	QT0821	ND	0.00025	mg/L	1
11 September 1992	QT1018	ND	0.00025	mg/L	1
17 September 1992	QT1715	ND	0.00025	mg/L	1
30 September 1992	QP2914	ND	0.00025	mg/L	1
Total Number of Blanks = 5			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.00025		
Method : SW8010					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.00025	mg/L	1
4 August 1992	OJ049	ND	0.00025	mg/L	1
7 August 1992	OP0610	ND	0.00025	mg/L	1
7 August 1992	OT0611	ND	0.00025	mg/L	1
10 August 1992	OI108	ND	0.00025	mg/L	1
10 August 1992	OT107	ND	0.00025	mg/L	1
30 August 1992	OI308	ND	0.00025	mg/L	1
31 August 1992	OP3112	ND	0.00025	mg/L	1
8 September 1992	QT088	ND	0.00025	mg/L	1
10 September 1992	QJ106	ND	0.00025	mg/L	1
11 September 1992	QT1014	ND	0.00025	mg/L	1
15 September 1992	QJ145	ND	0.00025	mg/L	1
16 September 1992	QJ167	ND	0.00025	mg/L	1
17 September 1992	QT178	ND	0.00025	mg/L	1
18 September 1992	QJ189	ND	0.00025	mg/L	1
18 September 1992	QT188	ND	0.00025	mg/L	1
18 September 1992	QP185	ND	0.00025	mg/L	1
21 September 1992	QJ217	ND	0.00025	mg/L	1
22 September 1992	QI225	0.00035	0.00025	mg/L	1
23 September 1992	QJ2310	ND	0.00025	mg/L	1
23 September 1992	QI234	ND	0.00025	mg/L	1
24 September 1992	QT246	ND	0.00025	mg/L	1
28 September 1992	QI286	ND	0.00025	mg/L	1
28 September 1992	QP287	ND	0.00025	mg/L	1
29 September 1992	QP296	ND	0.00025	mg/L	1
30 September 1992	QT307	ND	0.00025	mg/L	1
1 October 1992	SI016	ND	0.00025	mg/L	1
2 October 1992	SI026	ND	0.00025	mg/L	1
6 October 1992	SP066	ND	0.00025	mg/L	1
6 October 1992	SI065	ND	0.00025	mg/L	1
7 October 1992	SI076	ND	0.00025	mg/L	1
7 October 1992	SP076	ND	0.00025	mg/L	1
9 October 1992	SI088	ND	0.00025	mg/L	1
9 October 1992	SP086	ND	0.00025	mg/L	1
12 October 1992	SI126	ND	0.00025	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,2-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.00025	mg/L	1
20 October 1992	SP1914	ND	0.00025	mg/L	1
Total Number of Blanks = 37		Concentration Range 0.00035 - 0.00035			
Total Number above Reporting Limit = 1		Maximum Reporting Limit = 0.00025			
Method : SW8010					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.00025	mg/L	1
5 August 1992	OJ0418	ND	0.00025	mg/L	1
9 September 1992	QT0819	ND	0.00025	mg/L	1
11 September 1992	QT1019	ND	0.00025	mg/L	1
18 September 1992	QT1718	ND	0.00025	mg/L	1
18 September 1992	QT1717	ND	0.00025	mg/L	1
19 September 1992	QP1814	ND	0.00025	mg/L	1
19 September 1992	QT1820	ND	0.00025	mg/L	1
22 September 1992	QJ2113	ND	0.00025	mg/L	1
24 September 1992	QT2411	ND	0.00025	mg/L	1
28 September 1992	QI287	ND	0.00025	mg/L	1
28 September 1992	QP2813	ND	0.00025	mg/L	1
28 September 1992	QP2811	ND	0.00025	mg/L	1
1 October 1992	QT3019	ND	0.00025	mg/L	1
1 October 1992	QT3020	ND	0.00025	mg/L	1
3 October 1992	SI0220	ND	0.00025	mg/L	1
7 October 1992	SI0617	ND	0.00025	mg/L	1
8 October 1992	SI0717	ND	0.00025	mg/L	1
9 October 1992	SI0815	ND	0.00025	mg/L	1
12 October 1992	SI128	ND	0.00025	mg/L	1
12 October 1992	SI127	ND	0.00025	mg/L	1
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.00025			
Method : SW8010					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.25	ug/L	1
9 September 1992	QT0822	ND	0.25	ug/L	1
17 September 1992	QT1716	ND	0.25	ug/L	1
30 September 1992	QP2913	ND	0.25	ug/L	1
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.25			

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE		LAB		REPORTING		
ANALYZED		ID	RESULT	LIMIT	UNITS	FACTOR
-----		-----	-----	-----	-----	-----
Method : SW8010						
Analyte : 1,2-Dichlorobenzene						
Type of Blank : Equipment Blank						
9 September 1992		QT0821	ND	0.25	ug/L	1
9 September 1992		QT0816	ND	0.25	ug/L	1
11 September 1992		QT1018	ND	0.25	ug/L	1
17 September 1992		QT1715	ND	0.25	ug/L	1
30 September 1992		QP2914	ND	0.25	ug/L	1
-----						
Total Number of Blanks = 5			Concentration Range NC			
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.25			
Method : SW8010						
Analyte : 1,2-Dichlorobenzene						
Type of Blank : Method Blank						
3 August 1992		OP037	ND	0.25	ug/L	1
4 August 1992		OJ049	ND	0.25	ug/L	1
7 August 1992		OT0611	ND	0.25	ug/L	1
7 August 1992		OP0610	ND	0.25	ug/L	1
10 August 1992		OT107	ND	0.25	ug/L	1
10 August 1992		OI108	ND	0.25	ug/L	1
30 August 1992		OI308	ND	0.25	ug/L	1
31 August 1992		OP3112	ND	0.25	ug/L	1
8 September 1992		QT088	ND	0.25	ug/L	1
10 September 1992		QJ106	ND	0.25	ug/L	1
11 September 1992		QT1014	ND	0.25	ug/L	1
15 September 1992		QJ145	ND	0.25	ug/L	1
16 September 1992		QJ167	ND	0.25	ug/L	1
17 September 1992		QT178	ND	0.25	ug/L	1
18 September 1992		QT188	ND	0.25	ug/L	1
18 September 1992		QJ189	ND	0.25	ug/L	1
18 September 1992		QP185	ND	0.25	ug/L	1
21 September 1992		QJ217	ND	0.25	ug/L	1
22 September 1992		QI225	0.35	0.25	ug/L	1
23 September 1992		QJ2310	ND	0.25	ug/L	1
23 September 1992		QI234	ND	0.25	ug/L	1
24 September 1992		QT246	ND	0.25	ug/L	1
28 September 1992		QI286	ND	0.25	ug/L	1
28 September 1992		QP287	ND	0.25	ug/L	1
29 September 1992		QP296	ND	0.25	ug/L	1
30 September 1992		QT307	ND	0.25	ug/L	1
1 October 1992		SI016	ND	0.25	ug/L	1
2 October 1992		SI026	ND	0.25	ug/L	1
6 October 1992		SP066	ND	0.25	ug/L	1
6 October 1992		SI065	ND	0.25	ug/L	1
7 October 1992		SI076	ND	0.25	ug/L	1
7 October 1992		SP076	ND	0.25	ug/L	1
9 October 1992		SI088	ND	0.25	ug/L	1
9 October 1992		SP086	ND	0.25	ug/L	1
12 October 1992		SI126	ND	0.25	ug/L	1
16 October 1992		SP167	ND	0.25	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,2-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.25	ug/L	1

Total Number of Blanks = 37

Concentration Range 0.35 - 0.35

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.25

Method : SW8010					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.25	ug/L	1
5 August 1992	OJ0418	ND	0.25	ug/L	1
9 September 1992	QT0819	ND	0.25	ug/L	1
11 September 1992	QT1019	ND	0.25	ug/L	1
18 September 1992	QT1717	ND	0.25	ug/L	1
18 September 1992	QT1718	ND	0.25	ug/L	1
19 September 1992	QP1814	ND	0.25	ug/L	1
19 September 1992	QT1820	ND	0.25	ug/L	1
22 September 1992	QJ2113	ND	0.25	ug/L	1
24 September 1992	QT2411	ND	0.25	ug/L	1
28 September 1992	QI287	ND	0.25	ug/L	1
28 September 1992	QP2811	ND	0.25	ug/L	1
28 September 1992	QP2813	ND	0.25	ug/L	1
1 October 1992	QT3020	ND	0.25	ug/L	1
1 October 1992	QT3019	ND	0.25	ug/L	1
3 October 1992	SI0220	ND	0.25	ug/L	1
7 October 1992	SI0617	ND	0.25	ug/L	1
8 October 1992	SI0717	ND	0.25	ug/L	1
9 October 1992	SI0815	ND	0.25	ug/L	1
12 October 1992	SI128	ND	0.25	ug/L	1
12 October 1992	SI127	ND	0.25	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.25

Method : SW8010					
Analyte : 1,2-Dichloroethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.00015	mg/L	1
9 September 1992	QT0822	ND	0.00015	mg/L	1
17 September 1992	QT1716	ND	0.00015	mg/L	1
30 September 1992	QP2913	ND	0.00015	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00015

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : 1,2-Dichloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.00015	mg/L	1
9 September 1992	QT0816	ND	0.00015	mg/L	1
11 September 1992	QT1018	ND	0.00015	mg/L	1
17 September 1992	QT1715	ND	0.00015	mg/L	1
30 September 1992	QP2914	ND	0.00015	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00015

Method : SW8010					
Analyte : 1,2-Dichloroethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.00015	mg/L	1
4 August 1992	OJ049	ND	0.00015	mg/L	1
7 August 1992	OT0611	ND	0.00015	mg/L	1
7 August 1992	OP0610	ND	0.00015	mg/L	1
10 August 1992	OI108	ND	0.00015	mg/L	1
10 August 1992	OT107	ND	0.00015	mg/L	1
30 August 1992	OI308	ND	0.00015	mg/L	1
31 August 1992	OP3112	ND	0.00015	mg/L	1
8 September 1992	QT088	ND	0.00015	mg/L	1
10 September 1992	QJ106	ND	0.00015	mg/L	1
11 September 1992	QT1014	ND	0.00015	mg/L	1
15 September 1992	QJ145	ND	0.00015	mg/L	1
16 September 1992	QJ167	ND	0.00015	mg/L	1
17 September 1992	QT178	ND	0.00015	mg/L	1
18 September 1992	QJ189	ND	0.00015	mg/L	1
18 September 1992	QT188	ND	0.00015	mg/L	1
18 September 1992	QP185	ND	0.00015	mg/L	1
21 September 1992	QJ217	ND	0.00015	mg/L	1
22 September 1992	QI225	ND	0.00015	mg/L	1
23 September 1992	QJ2310	ND	0.00015	mg/L	1
23 September 1992	QI234	ND	0.00015	mg/L	1
24 September 1992	QT246	ND	0.00015	mg/L	1
28 September 1992	QI286	ND	0.00015	mg/L	1
28 September 1992	QP287	ND	0.00015	mg/L	1
29 September 1992	QP296	ND	0.00015	mg/L	1
30 September 1992	QT307	ND	0.00015	mg/L	1
1 October 1992	SI016	ND	0.00015	mg/L	1
2 October 1992	SI026	ND	0.00015	mg/L	1
6 October 1992	SP066	ND	0.00015	mg/L	1
6 October 1992	SI065	ND	0.00015	mg/L	1
7 October 1992	SI076	ND	0.00015	mg/L	1
7 October 1992	SP076	ND	0.00015	mg/L	1
9 October 1992	SP086	ND	0.00015	mg/L	1
9 October 1992	SI088	ND	0.00015	mg/L	1
12 October 1992	SI126	ND	0.00015	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,2-Dichloroethane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.00015	mg/L	1
20 October 1992	SP1914	ND	0.00015	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00015

Method : SW8010					
Analyte : 1,2-Dichloroethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.00015	mg/L	1
5 August 1992	OJ0418	ND	0.00015	mg/L	1
9 September 1992	QT0819	ND	0.00015	mg/L	1
11 September 1992	QT1019	ND	0.00015	mg/L	1
18 September 1992	QT1717	ND	0.00015	mg/L	1
18 September 1992	QT1718	ND	0.00015	mg/L	1
19 September 1992	QT1820	ND	0.00015	mg/L	1
19 September 1992	QP1814	ND	0.00015	mg/L	1
22 September 1992	QJ2113	ND	0.00015	mg/L	1
24 September 1992	QT2411	ND	0.00015	mg/L	1
28 September 1992	QI287	ND	0.00015	mg/L	1
28 September 1992	QP2811	ND	0.00015	mg/L	1
28 September 1992	QP2813	ND	0.00015	mg/L	1
1 October 1992	QT3019	ND	0.00015	mg/L	1
1 October 1992	QT3020	ND	0.00015	mg/L	1
3 October 1992	SI0220	ND	0.00015	mg/L	1
7 October 1992	SI0617	ND	0.00015	mg/L	1
8 October 1992	SI0717	ND	0.00015	mg/L	1
9 October 1992	SI0815	ND	0.00015	mg/L	1
12 October 1992	SI128	ND	0.00015	mg/L	1
12 October 1992	SI127	ND	0.00015	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00015

Method : SW8010					
Analyte : 1,2-Dichloroethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.15	ug/L	1
9 September 1992	QT0817	ND	0.15	ug/L	1
17 September 1992	QT1716	ND	0.15	ug/L	1
30 September 1992	QP2913	ND	0.15	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.15

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,2-Dichloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.15	ug/L	1
9 September 1992	QT0821	ND	0.15	ug/L	1
11 September 1992	QT1018	ND	0.15	ug/L	1
17 September 1992	QT1715	ND	0.15	ug/L	1
30 September 1992	QP2914	ND	0.15	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.15

Method : SW8010					
Analyte : 1,2-Dichloroethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.15	ug/L	1
4 August 1992	OJ049	ND	0.15	ug/L	1
7 August 1992	OP0610	ND	0.15	ug/L	1
7 August 1992	OT0611	ND	0.15	ug/L	1
10 August 1992	OI108	ND	0.15	ug/L	1
10 August 1992	OT107	ND	0.15	ug/L	1
30 August 1992	OI308	ND	0.15	ug/L	1
31 August 1992	OP3112	ND	0.15	ug/L	1
8 September 1992	QT088	ND	0.15	ug/L	1
10 September 1992	QJ106	ND	0.15	ug/L	1
11 September 1992	QT1014	ND	0.15	ug/L	1
15 September 1992	QJ145	ND	0.15	ug/L	1
16 September 1992	QJ167	ND	0.15	ug/L	1
17 September 1992	QT178	ND	0.15	ug/L	1
18 September 1992	QT188	ND	0.15	ug/L	1
18 September 1992	QJ189	ND	0.15	ug/L	1
18 September 1992	QP185	ND	0.15	ug/L	1
21 September 1992	QJ217	ND	0.15	ug/L	1
22 September 1992	QI225	ND	0.15	ug/L	1
23 September 1992	QJ2310	ND	0.15	ug/L	1
23 September 1992	QI234	ND	0.15	ug/L	1
24 September 1992	QT246	ND	0.15	ug/L	1
28 September 1992	QI286	ND	0.15	ug/L	1
28 September 1992	QP287	ND	0.15	ug/L	1
29 September 1992	QP296	ND	0.15	ug/L	1
30 September 1992	QT307	ND	0.15	ug/L	1
1 October 1992	SI016	ND	0.15	ug/L	1
2 October 1992	SI026	ND	0.15	ug/L	1
6 October 1992	SI065	ND	0.15	ug/L	1
6 October 1992	SP066	ND	0.15	ug/L	1
7 October 1992	SP076	ND	0.15	ug/L	1
7 October 1992	SI076	ND	0.15	ug/L	1
9 October 1992	SI088	ND	0.15	ug/L	1
9 October 1992	SP086	ND	0.15	ug/L	1
12 October 1992	SI126	ND	0.15	ug/L	1
16 October 1992	SP167	ND	0.15	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : 1,2-Dichloroethane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.15	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.15

Method : SW8010					
Analyte : 1,2-Dichloroethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.15	ug/L	1
5 August 1992	OJ0418	ND	0.15	ug/L	1
9 September 1992	QT0819	ND	0.15	ug/L	1
11 September 1992	QT1019	ND	0.15	ug/L	1
18 September 1992	QT1718	ND	0.15	ug/L	1
18 September 1992	QT1717	ND	0.15	ug/L	1
19 September 1992	QP1814	ND	0.15	ug/L	1
19 September 1992	QT1820	ND	0.15	ug/L	1
22 September 1992	QJ2113	ND	0.15	ug/L	1
24 September 1992	QT2411	ND	0.15	ug/L	1
28 September 1992	QI287	ND	0.15	ug/L	1
28 September 1992	QP2811	ND	0.15	ug/L	1
28 September 1992	QP2813	ND	0.15	ug/L	1
1 October 1992	QT3020	ND	0.15	ug/L	1
1 October 1992	QT3019	ND	0.15	ug/L	1
3 October 1992	SI0220	ND	0.15	ug/L	1
7 October 1992	SI0617	ND	0.15	ug/L	1
8 October 1992	SI0717	ND	0.15	ug/L	1
9 October 1992	SI0815	ND	0.15	ug/L	1
12 October 1992	SI1128	ND	0.15	ug/L	1
12 October 1992	SI1127	ND	0.15	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.15

Method : SW8010					
Analyte : 1,2-Dichloropropane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.00015	mg/L	1
9 September 1992	QT0822	ND	0.00015	mg/L	1
17 September 1992	QT1716	ND	0.00015	mg/L	1
30 September 1992	QP2913	ND	0.00015	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00015



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE		LAB		REPORTING		
ANALYZED		ID	RESULT	LIMIT	UNITS	FACTOR
-----		-----	-----	-----	-----	-----
Method : SW8010						
Analyte : 1,2-Dichloropropane						
Type of Blank : Equipment Blank						
9 September 1992		QT0821	ND	0.00015	mg/L	1
9 September 1992		QT0816	ND	0.00015	mg/L	1
11 September 1992		QT1018	ND	0.00015	mg/L	1
17 September 1992		QT1715	ND	0.00015	mg/L	1
30 September 1992		QP2914	ND	0.00015	mg/L	1
-----						
Total Number of Blanks = 5			Concentration Range NC			
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.00015			
Method : SW8010						
Analyte : 1,2-Dichloropropane						
Type of Blank : Method Blank						
3 August 1992		OP037	ND	0.00015	mg/L	1
4 August 1992		OJ049	ND	0.00015	mg/L	1
7 August 1992		OT0611	ND	0.00015	mg/L	1
7 August 1992		OP0610	ND	0.00015	mg/L	1
10 August 1992		OT107	ND	0.00015	mg/L	1
10 August 1992		OI108	ND	0.00015	mg/L	1
30 August 1992		OI308	ND	0.00015	mg/L	1
31 August 1992		OP3112	ND	0.00015	mg/L	1
8 September 1992		QT088	ND	0.00015	mg/L	1
10 September 1992		QJ106	ND	0.00015	mg/L	1
11 September 1992		QT1014	ND	0.00015	mg/L	1
15 September 1992		QJ145	ND	0.00015	mg/L	1
16 September 1992		QJ167	ND	0.00015	mg/L	1
17 September 1992		QT178	ND	0.00015	mg/L	1
18 September 1992		QJ189	ND	0.00015	mg/L	1
18 September 1992		QT188	ND	0.00015	mg/L	1
18 September 1992		QP185	ND	0.00015	mg/L	1
21 September 1992		QJ217	ND	0.00015	mg/L	1
22 September 1992		QI225	ND	0.00015	mg/L	1
23 September 1992		QJ2310	ND	0.00015	mg/L	1
23 September 1992		QI234	ND	0.00015	mg/L	1
24 September 1992		QT246	ND	0.00015	mg/L	1
28 September 1992		QI286	ND	0.00015	mg/L	1
28 September 1992		QP287	ND	0.00015	mg/L	1
29 September 1992		QP296	ND	0.00015	mg/L	1
30 September 1992		QT307	ND	0.00015	mg/L	1
1 October 1992		SI016	ND	0.00015	mg/L	1
2 October 1992		SI026	ND	0.00015	mg/L	1
6 October 1992		SP066	ND	0.00015	mg/L	1
6 October 1992		SI065	ND	0.00015	mg/L	1
7 October 1992		SP076	ND	0.00015	mg/L	1
7 October 1992		SI076	ND	0.00015	mg/L	1
9 October 1992		SI088	ND	0.00015	mg/L	1
9 October 1992		SP086	ND	0.00015	mg/L	1
12 October 1992		SI126	ND	0.00015	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,2-Dichloropropane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.00015	mg/L	1
20 October 1992	SP1914	ND	0.00015	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00015

Method : SW8010					
Analyte : 1,2-Dichloropropane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.00015	mg/L	1
5 August 1992	OJ0418	ND	0.00015	mg/L	1
9 September 1992	QT0819	ND	0.00015	mg/L	1
11 September 1992	QT1019	ND	0.00015	mg/L	1
18 September 1992	QT1718	ND	0.00015	mg/L	1
18 September 1992	QT1717	ND	0.00015	mg/L	1
19 September 1992	QT1820	ND	0.00015	mg/L	1
19 September 1992	QP1814	ND	0.00015	mg/L	1
22 September 1992	QJ2113	ND	0.00015	mg/L	1
24 September 1992	QT2411	ND	0.00015	mg/L	1
28 September 1992	QI287	ND	0.00015	mg/L	1
28 September 1992	QP2813	ND	0.00015	mg/L	1
28 September 1992	QP2811	ND	0.00015	mg/L	1
1 October 1992	QT3019	ND	0.00015	mg/L	1
1 October 1992	QT3020	ND	0.00015	mg/L	1
3 October 1992	SI0220	ND	0.00015	mg/L	1
7 October 1992	SI0617	ND	0.00015	mg/L	1
8 October 1992	SI0717	ND	0.00015	mg/L	1
9 October 1992	SI0815	ND	0.00015	mg/L	1
12 October 1992	SI128	ND	0.00015	mg/L	1
12 October 1992	SI127	ND	0.00015	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00015

Method : SW8010					
Analyte : 1,2-Dichloropropane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.15	ug/L	1
9 September 1992	QT0817	ND	0.15	ug/L	1
17 September 1992	QT1716	ND	0.15	ug/L	1
30 September 1992	QP2913	ND	0.15	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.15

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,2-Dichloropropane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.15	ug/L	1
9 September 1992	QT0816	ND	0.15	ug/L	1
11 September 1992	QT1018	ND	0.15	ug/L	1
17 September 1992	QT1715	ND	0.15	ug/L	1
30 September 1992	QP2914	ND	0.15	ug/L	1

Total Number of Blanks = 5

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.15

Method : SW8010					
Analyte : 1,2-Dichloropropane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.15	ug/L	1
4 August 1992	OJ049	ND	0.15	ug/L	1
7 August 1992	OP0610	ND	0.15	ug/L	1
7 August 1992	OT0611	ND	0.15	ug/L	1
10 August 1992	OI108	ND	0.15	ug/L	1
10 August 1992	OT107	ND	0.15	ug/L	1
30 August 1992	OI308	ND	0.15	ug/L	1
31 August 1992	OP3112	ND	0.15	ug/L	1
8 September 1992	QT088	ND	0.15	ug/L	1
10 September 1992	QJ106	ND	0.15	ug/L	1
11 September 1992	QT1014	ND	0.15	ug/L	1
15 September 1992	QJ145	ND	0.15	ug/L	1
16 September 1992	QJ167	ND	0.15	ug/L	1
17 September 1992	QT178	ND	0.15	ug/L	1
18 September 1992	QJ189	ND	0.15	ug/L	1
18 September 1992	QT188	ND	0.15	ug/L	1
18 September 1992	QP185	ND	0.15	ug/L	1
21 September 1992	QJ217	ND	0.15	ug/L	1
22 September 1992	QI225	ND	0.15	ug/L	1
23 September 1992	QJ2310	ND	0.15	ug/L	1
23 September 1992	QI234	ND	0.15	ug/L	1
24 September 1992	QT246	ND	0.15	ug/L	1
28 September 1992	QI286	ND	0.15	ug/L	1
28 September 1992	QP287	ND	0.15	ug/L	1
29 September 1992	QP296	ND	0.15	ug/L	1
30 September 1992	QT307	ND	0.15	ug/L	1
1 October 1992	SI016	ND	0.15	ug/L	1
2 October 1992	SI026	ND	0.15	ug/L	1
6 October 1992	SP066	ND	0.15	ug/L	1
6 October 1992	SI065	ND	0.15	ug/L	1
7 October 1992	SI076	ND	0.15	ug/L	1
7 October 1992	SP076	ND	0.15	ug/L	1
9 October 1992	SI088	ND	0.15	ug/L	1
9 October 1992	SP086	ND	0.15	ug/L	1
12 October 1992	SI126	ND	0.15	ug/L	1
16 October 1992	SP167	ND	0.15	ug/L	1

TABLE A-5

DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : 1,2-Dichloropropane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.15	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.15

Method : SW8010					
Analyte : 1,2-Dichloropropane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.15	ug/L	1
5 August 1992	OJ0418	ND	0.15	ug/L	1
9 September 1992	QT0819	ND	0.15	ug/L	1
11 September 1992	QT1019	ND	0.15	ug/L	1
18 September 1992	QT1717	ND	0.15	ug/L	1
18 September 1992	QT1718	ND	0.15	ug/L	1
19 September 1992	QP1814	ND	0.15	ug/L	1
19 September 1992	QT1820	ND	0.15	ug/L	1
22 September 1992	QJ2113	ND	0.15	ug/L	1
24 September 1992	QT2411	ND	0.15	ug/L	1
28 September 1992	QI287	ND	0.15	ug/L	1
28 September 1992	QP2813	ND	0.15	ug/L	1
28 September 1992	QP2811	ND	0.15	ug/L	1
1 October 1992	QT3019	ND	0.15	ug/L	1
1 October 1992	QT3020	ND	0.15	ug/L	1
3 October 1992	SI0220	ND	0.15	ug/L	1
7 October 1992	SI0617	ND	0.15	ug/L	1
8 October 1992	SI0717	ND	0.15	ug/L	1
9 October 1992	SI0815	ND	0.15	ug/L	1
12 October 1992	SI128	ND	0.15	ug/L	1
12 October 1992	SI127	ND	0.15	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.15

Method : SW8010					
Analyte : 1,3-Dichlorobenzene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.00032	mg/L	1
9 September 1992	QT0817	ND	0.00032	mg/L	1
17 September 1992	QT1716	ND	0.00032	mg/L	1
30 September 1992	QP2913	ND	0.00032	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00032

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,3-Dichlorobenzene					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.00032	mg/L	1
9 September 1992	QT0816	ND	0.00032	mg/L	1
11 September 1992	QT1018	ND	0.00032	mg/L	1
17 September 1992	QT1715	ND	0.00032	mg/L	1
30 September 1992	QP2914	ND	0.00032	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00032

Method : SW8010					
Analyte : 1,3-Dichlorobenzene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.00032	mg/L	1
4 August 1992	OJ049	ND	0.00032	mg/L	1
7 August 1992	OP0610	ND	0.00032	mg/L	1
7 August 1992	OT0611	ND	0.00032	mg/L	1
10 August 1992	OT107	ND	0.00032	mg/L	1
10 August 1992	OI108	ND	0.00032	mg/L	1
30 August 1992	OI308	ND	0.00032	mg/L	1
31 August 1992	OP3112	ND	0.00032	mg/L	1
8 September 1992	QT088	ND	0.00032	mg/L	1
10 September 1992	QJ106	ND	0.00032	mg/L	1
11 September 1992	QT1014	ND	0.00032	mg/L	1
15 September 1992	QJ145	ND	0.00032	mg/L	1
16 September 1992	QJ167	ND	0.00032	mg/L	1
17 September 1992	QT178	ND	0.00032	mg/L	1
18 September 1992	QJ189	ND	0.00032	mg/L	1
18 September 1992	QT188	ND	0.00032	mg/L	1
18 September 1992	QP185	ND	0.00032	mg/L	1
21 September 1992	QJ217	ND	0.00032	mg/L	1
22 September 1992	QI225	ND	0.00032	mg/L	1
23 September 1992	QJ2310	ND	0.00032	mg/L	1
23 September 1992	QI234	ND	0.00032	mg/L	1
24 September 1992	QT246	ND	0.00032	mg/L	1
28 September 1992	QI286	ND	0.00032	mg/L	1
28 September 1992	QP287	ND	0.00032	mg/L	1
29 September 1992	QP296	ND	0.00032	mg/L	1
30 September 1992	QT307	ND	0.00032	mg/L	1
1 October 1992	SI016	ND	0.00032	mg/L	1
2 October 1992	SI026	ND	0.00032	mg/L	1
6 October 1992	SI065	ND	0.00032	mg/L	1
6 October 1992	SP066	ND	0.00032	mg/L	1
7 October 1992	SI076	ND	0.00032	mg/L	1
7 October 1992	SP076	ND	0.00032	mg/L	1
9 October 1992	SI088	ND	0.00032	mg/L	1
9 October 1992	SP086	ND	0.00032	mg/L	1
12 October 1992	SI126	ND	0.00032	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : 1,3-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.00032	mg/L	1
20 October 1992	SP1914	ND	0.00032	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00032

Method : SW8010					
Analyte : 1,3-Dichlorobenzene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.00032	mg/L	1
5 August 1992	OJ0418	ND	0.00032	mg/L	1
9 September 1992	QT0819	ND	0.00032	mg/L	1
11 September 1992	QT1019	ND	0.00032	mg/L	1
18 September 1992	QT1717	ND	0.00032	mg/L	1
18 September 1992	QT1718	ND	0.00032	mg/L	1
19 September 1992	QT1820	ND	0.00032	mg/L	1
19 September 1992	QP1814	ND	0.00032	mg/L	1
22 September 1992	QJ2113	ND	0.00032	mg/L	1
24 September 1992	QT2411	ND	0.00032	mg/L	1
28 September 1992	QI287	ND	0.00032	mg/L	1
28 September 1992	QP2813	ND	0.00032	mg/L	1
28 September 1992	QP2811	ND	0.00032	mg/L	1
1 October 1992	QT3020	ND	0.00032	mg/L	1
1 October 1992	QT3019	ND	0.00032	mg/L	1
3 October 1992	SI0220	ND	0.00032	mg/L	1
7 October 1992	SI0617	ND	0.00032	mg/L	1
8 October 1992	SI0717	ND	0.00032	mg/L	1
9 October 1992	SI0815	ND	0.00032	mg/L	1
12 October 1992	SI128	ND	0.00032	mg/L	1
12 October 1992	SI127	ND	0.00032	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00032

Method : SW8010					
Analyte : 1,3-Dichlorobenzene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.32	ug/L	1
9 September 1992	QT0822	ND	0.32	ug/L	1
17 September 1992	QT1716	ND	0.32	ug/L	1
30 September 1992	QP2913	ND	0.32	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.32

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,3-Dichlorobenzene					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.32	ug/L	1
9 September 1992	QT0821	ND	0.32	ug/L	1
11 September 1992	QT1018	ND	0.32	ug/L	1
17 September 1992	QT1715	ND	0.32	ug/L	1
30 September 1992	QP2914	ND	0.32	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.32

Method : SW8010					
Analyte : 1,3-Dichlorobenzene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.32	ug/L	1
4 August 1992	OJ049	ND	0.32	ug/L	1
7 August 1992	OP0610	ND	0.32	ug/L	1
7 August 1992	OT0611	ND	0.32	ug/L	1
10 August 1992	OT107	ND	0.32	ug/L	1
10 August 1992	OI108	ND	0.32	ug/L	1
30 August 1992	OI308	ND	0.32	ug/L	1
31 August 1992	OP3112	ND	0.32	ug/L	1
8 September 1992	QT088	ND	0.32	ug/L	1
10 September 1992	QJ106	ND	0.32	ug/L	1
11 September 1992	QT1014	ND	0.32	ug/L	1
15 September 1992	QJ145	ND	0.32	ug/L	1
16 September 1992	QJ167	ND	0.32	ug/L	1
17 September 1992	QT178	ND	0.32	ug/L	1
18 September 1992	QJ189	ND	0.32	ug/L	1
18 September 1992	QT188	ND	0.32	ug/L	1
18 September 1992	QP185	ND	0.32	ug/L	1
21 September 1992	QJ217	ND	0.32	ug/L	1
22 September 1992	QI225	ND	0.32	ug/L	1
23 September 1992	QJ2310	ND	0.32	ug/L	1
23 September 1992	QI234	ND	0.32	ug/L	1
24 September 1992	QT246	ND	0.32	ug/L	1
28 September 1992	QI286	ND	0.32	ug/L	1
28 September 1992	QP287	ND	0.32	ug/L	1
29 September 1992	QP296	ND	0.32	ug/L	1
30 September 1992	QT307	ND	0.32	ug/L	1
1 October 1992	SI016	ND	0.32	ug/L	1
2 October 1992	SI026	ND	0.32	ug/L	1
6 October 1992	SI065	ND	0.32	ug/L	1
6 October 1992	SP066	ND	0.32	ug/L	1
7 October 1992	SP076	ND	0.32	ug/L	1
7 October 1992	SI076	ND	0.32	ug/L	1
9 October 1992	SP086	ND	0.32	ug/L	1
9 October 1992	SI088	ND	0.32	ug/L	1
12 October 1992	SI126	ND	0.32	ug/L	1
16 October 1992	SP167	ND	0.32	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : 1,3-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.32	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.32

Method : SW8010					
Analyte : 1,3-Dichlorobenzene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.32	ug/L	1
5 August 1992	OJ0418	ND	0.32	ug/L	1
9 September 1992	QT0819	ND	0.32	ug/L	1
11 September 1992	QT1019	ND	0.32	ug/L	1
18 September 1992	QT1718	ND	0.32	ug/L	1
18 September 1992	QT1717	ND	0.32	ug/L	1
19 September 1992	QP1814	ND	0.32	ug/L	1
19 September 1992	QT1820	ND	0.32	ug/L	1
22 September 1992	QJ2113	ND	0.32	ug/L	1
24 September 1992	QT2411	ND	0.32	ug/L	1
28 September 1992	QI287	ND	0.32	ug/L	1
28 September 1992	QP2811	ND	0.32	ug/L	1
28 September 1992	QP2813	ND	0.32	ug/L	1
1 October 1992	QT3019	ND	0.32	ug/L	1
1 October 1992	QT3020	ND	0.32	ug/L	1
3 October 1992	SI0220	ND	0.32	ug/L	1
7 October 1992	SI0617	ND	0.32	ug/L	1
8 October 1992	SI0717	ND	0.32	ug/L	1
9 October 1992	SI0815	ND	0.32	ug/L	1
12 October 1992	SI1128	ND	0.32	ug/L	1
12 October 1992	SI1127	ND	0.32	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.32

Method : SW8010					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.00025	mg/L	1
9 September 1992	QT0822	ND	0.00025	mg/L	1
17 September 1992	QT1716	ND	0.00025	mg/L	1
30 September 1992	QP2913	ND	0.00025	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00025



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.00025	mg/L	1
9 September 1992	QT0816	ND	0.00025	mg/L	1
11 September 1992	QT1018	ND	0.00025	mg/L	1
17 September 1992	QT1715	ND	0.00025	mg/L	1
30 September 1992	QP2914	ND	0.00025	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00025

Method : SW8010					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.00025	mg/L	1
4 August 1992	OJ049	ND	0.00025	mg/L	1
7 August 1992	OT0611	ND	0.00025	mg/L	1
7 August 1992	OP0610	ND	0.00025	mg/L	1
10 August 1992	OT107	ND	0.00025	mg/L	1
10 August 1992	OI108	ND	0.00025	mg/L	1
30 August 1992	OI308	ND	0.00025	mg/L	1
31 August 1992	OP3112	ND	0.00025	mg/L	1
8 September 1992	QT088	ND	0.00025	mg/L	1
10 September 1992	QJ106	ND	0.00025	mg/L	1
11 September 1992	QT1014	ND	0.00025	mg/L	1
15 September 1992	QJ145	ND	0.00025	mg/L	1
16 September 1992	QJ167	ND	0.00025	mg/L	1
17 September 1992	QT178	ND	0.00025	mg/L	1
18 September 1992	QJ189	ND	0.00025	mg/L	1
18 September 1992	QT188	ND	0.00025	mg/L	1
18 September 1992	QP185	ND	0.00025	mg/L	1
21 September 1992	QJ217	ND	0.00025	mg/L	1
22 September 1992	QI225	0.00049	0.00025	mg/L	1
23 September 1992	QJ2310	ND	0.00025	mg/L	1
23 September 1992	QI234	ND	0.00025	mg/L	1
24 September 1992	QT246	ND	0.00025	mg/L	1
28 September 1992	QI286	ND	0.00025	mg/L	1
28 September 1992	QP287	ND	0.00025	mg/L	1
29 September 1992	QP296	ND	0.00025	mg/L	1
30 September 1992	QT307	ND	0.00025	mg/L	1
1 October 1992	SI016	ND	0.00025	mg/L	1
2 October 1992	SI026	ND	0.00025	mg/L	1
6 October 1992	SI065	ND	0.00025	mg/L	1
6 October 1992	SP066	ND	0.00025	mg/L	1
7 October 1992	SI076	ND	0.00025	mg/L	1
7 October 1992	SP076	ND	0.00025	mg/L	1
9 October 1992	SI088	ND	0.00025	mg/L	1
9 October 1992	SP086	ND	0.00025	mg/L	1
12 October 1992	SI126	ND	0.00025	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,4-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.00025	mg/L	1
20 October 1992	SP1914	ND	0.00025	mg/L	1

Total Number of Blanks = 37

Concentration Range 0.00049 - 0.00049

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.00025

Method : SW8010					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.00025	mg/L	1
5 August 1992	OJ0418	ND	0.00025	mg/L	1
9 September 1992	QT0819	ND	0.00025	mg/L	1
11 September 1992	QT1019	ND	0.00025	mg/L	1
18 September 1992	QT1717	ND	0.00025	mg/L	1
18 September 1992	QT1718	ND	0.00025	mg/L	1
19 September 1992	QT1820	ND	0.00025	mg/L	1
19 September 1992	QP1814	ND	0.00025	mg/L	1
22 September 1992	QJ2113	ND	0.00025	mg/L	1
24 September 1992	QT2411	ND	0.00025	mg/L	1
28 September 1992	QI287	ND	0.00025	mg/L	1
28 September 1992	QP2813	ND	0.00025	mg/L	1
28 September 1992	QP2811	ND	0.00025	mg/L	1
1 October 1992	QT3019	ND	0.00025	mg/L	1
1 October 1992	QT3020	ND	0.00025	mg/L	1
3 October 1992	SI0220	ND	0.00025	mg/L	1
7 October 1992	SI0617	ND	0.00025	mg/L	1
8 October 1992	SI0717	ND	0.00025	mg/L	1
9 October 1992	SI0815	ND	0.00025	mg/L	1
12 October 1992	SI128	ND	0.00025	mg/L	1
12 October 1992	SI127	ND	0.00025	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00025

Method : SW8010					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.25	ug/L	1
9 September 1992	QT0817	ND	0.25	ug/L	1
17 September 1992	QT1716	ND	0.25	ug/L	1
30 September 1992	QP2913	ND	0.25	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.25

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.25	ug/L	1
9 September 1992	QT0816	ND	0.25	ug/L	1
11 September 1992	QT1018	ND	0.25	ug/L	1
17 September 1992	QT1715	ND	0.25	ug/L	1
30 September 1992	QP2914	ND	0.25	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.25

Method : SW8010					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.25	ug/L	1
4 August 1992	OJ049	ND	0.25	ug/L	1
7 August 1992	OT0611	ND	0.25	ug/L	1
7 August 1992	OP0610	ND	0.25	ug/L	1
10 August 1992	OT107	ND	0.25	ug/L	1
10 August 1992	OT108	ND	0.25	ug/L	1
30 August 1992	OT308	ND	0.25	ug/L	1
31 August 1992	OP3112	ND	0.25	ug/L	1
8 September 1992	QT088	ND	0.25	ug/L	1
10 September 1992	QJ106	ND	0.25	ug/L	1
11 September 1992	QT1014	ND	0.25	ug/L	1
15 September 1992	QJ145	ND	0.25	ug/L	1
16 September 1992	QJ167	ND	0.25	ug/L	1
17 September 1992	QT178	ND	0.25	ug/L	1
18 September 1992	QJ189	ND	0.25	ug/L	1
18 September 1992	QT188	ND	0.25	ug/L	1
18 September 1992	QP185	ND	0.25	ug/L	1
21 September 1992	QJ217	ND	0.25	ug/L	1
22 September 1992	QI225	0.49	0.25	ug/L	1
23 September 1992	QJ2310	ND	0.25	ug/L	1
23 September 1992	QI234	ND	0.25	ug/L	1
24 September 1992	QT246	ND	0.25	ug/L	1
28 September 1992	QI286	ND	0.25	ug/L	1
28 September 1992	QP287	ND	0.25	ug/L	1
29 September 1992	QP296	ND	0.25	ug/L	1
30 September 1992	QT307	ND	0.25	ug/L	1
1 October 1992	SI016	ND	0.25	ug/L	1
2 October 1992	SI026	ND	0.25	ug/L	1
6 October 1992	SP066	ND	0.25	ug/L	1
6 October 1992	SI065	ND	0.25	ug/L	1
7 October 1992	SI076	ND	0.25	ug/L	1
7 October 1992	SP076	ND	0.25	ug/L	1
9 October 1992	SI088	ND	0.25	ug/L	1
9 October 1992	SP086	ND	0.25	ug/L	1
12 October 1992	SI126	ND	0.25	ug/L	1
16 October 1992	SP167	ND	0.25	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : 1,4-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.25	ug/L	1

Total Number of Blanks = 37

Concentration Range 0.49 - 0.49

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.25

Method : SW8010  
 Analyte : 1,4-Dichlorobenzene  
 Type of Blank : Trip Blank

4 August 1992	OP0323	ND	0.25	ug/L	1
5 August 1992	OJ0418	ND	0.25	ug/L	1
9 September 1992	QT0819	ND	0.25	ug/L	1
11 September 1992	QT1019	ND	0.25	ug/L	1
18 September 1992	QT1718	ND	0.25	ug/L	1
18 September 1992	QT1717	ND	0.25	ug/L	1
19 September 1992	QT1820	ND	0.25	ug/L	1
19 September 1992	QP1814	ND	0.25	ug/L	1
22 September 1992	QJ2113	ND	0.25	ug/L	1
24 September 1992	QT2411	ND	0.25	ug/L	1
28 September 1992	QI287	ND	0.25	ug/L	1
28 September 1992	QP2813	ND	0.25	ug/L	1
28 September 1992	QP2811	ND	0.25	ug/L	1
1 October 1992	QT3019	ND	0.25	ug/L	1
1 October 1992	QT3020	ND	0.25	ug/L	1
3 October 1992	SI0220	ND	0.25	ug/L	1
7 October 1992	SI0617	ND	0.25	ug/L	1
8 October 1992	SI0717	ND	0.25	ug/L	1
9 October 1992	SI0815	ND	0.25	ug/L	1
12 October 1992	SI1128	ND	0.25	ug/L	1
12 October 1992	SI1127	ND	0.25	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.25

Method : SW8010  
 Analyte : 1-Chlorohexane  
 Type of Blank : Ambient Conditions Blank

9 September 1992	QT0817	ND	0.0034	mg/L	1
9 September 1992	QT0822	ND	0.0034	mg/L	1
17 September 1992	QT1716	ND	0.0034	mg/L	1
30 September 1992	QP2913	ND	0.0034	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0034

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1-Chlorohexane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.0034	mg/L	1
9 September 1992	QT0816	ND	0.0034	mg/L	1
11 September 1992	QT1018	ND	0.0034	mg/L	1
17 September 1992	QT1715	ND	0.0034	mg/L	1
30 September 1992	QP2914	ND	0.0034	mg/L	1

Total Number of Blanks = 5

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.0034

Method : SW8010					
Analyte : 1-Chlorohexane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0034	mg/L	1
4 August 1992	OJ049	ND	0.0034	mg/L	1
7 August 1992	OT0611	ND	0.0034	mg/L	1
7 August 1992	OP0610	ND	0.0034	mg/L	1
10 August 1992	OT107	ND	0.0034	mg/L	1
10 August 1992	OI108	ND	0.0034	mg/L	1
30 August 1992	OI308	ND	0.0034	mg/L	1
31 August 1992	OP3112	ND	0.0034	mg/L	1
8 September 1992	QT088	ND	0.0034	mg/L	1
10 September 1992	QJ106	ND	0.0034	mg/L	1
11 September 1992	QT1014	ND	0.0034	mg/L	1
15 September 1992	QJ145	ND	0.0034	mg/L	1
16 September 1992	QJ167	ND	0.0034	mg/L	1
17 September 1992	QT178	ND	0.0034	mg/L	1
18 September 1992	QT188	ND	0.0034	mg/L	1
18 September 1992	QJ189	ND	0.0034	mg/L	1
18 September 1992	QP185	ND	0.0034	mg/L	1
21 September 1992	QJ217	ND	0.0034	mg/L	1
22 September 1992	QI225	ND	0.0034	mg/L	1
23 September 1992	QJ2310	ND	0.0034	mg/L	1
23 September 1992	QI234	ND	0.0034	mg/L	1
24 September 1992	QT246	ND	0.0034	mg/L	1
28 September 1992	QI286	ND	0.0034	mg/L	1
28 September 1992	QP287	ND	0.0034	mg/L	1
29 September 1992	QP296	ND	0.0034	mg/L	1
30 September 1992	QT307	ND	0.0034	mg/L	1
1 October 1992	SI016	ND	0.0034	mg/L	1
2 October 1992	SI026	ND	0.0034	mg/L	1
6 October 1992	SP066	ND	0.0034	mg/L	1
6 October 1992	SI065	ND	0.0034	mg/L	1
7 October 1992	SI076	ND	0.0034	mg/L	1
7 October 1992	SP076	ND	0.0034	mg/L	1
9 October 1992	SI088	ND	0.0034	mg/L	1
9 October 1992	SP086	ND	0.0034	mg/L	1
12 October 1992	SI126	ND	0.0034	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1-Chlorohexane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0034	mg/L	1
20 October 1992	SP1914	ND	0.0034	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0034

Method : SW8010					
Analyte : 1-Chlorohexane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0034	mg/L	1
5 August 1992	OJ0418	ND	0.0034	mg/L	1
9 September 1992	QT0819	ND	0.0034	mg/L	1
11 September 1992	QT1019	ND	0.0034	mg/L	1
18 September 1992	QT1718	ND	0.0034	mg/L	1
18 September 1992	QT1717	ND	0.0034	mg/L	1
19 September 1992	QT1820	ND	0.0034	mg/L	1
19 September 1992	QP1814	ND	0.0034	mg/L	1
22 September 1992	QJ2113	ND	0.0034	mg/L	1
24 September 1992	QT2411	ND	0.0034	mg/L	1
28 September 1992	QI287	ND	0.0034	mg/L	1
28 September 1992	QP2811	ND	0.0034	mg/L	1
28 September 1992	QP2813	ND	0.0034	mg/L	1
1 October 1992	QT3019	ND	0.0034	mg/L	1
1 October 1992	QT3020	ND	0.0034	mg/L	1
3 October 1992	SI0220	ND	0.0034	mg/L	1
7 October 1992	SI0617	ND	0.0034	mg/L	1
8 October 1992	SI0717	ND	0.0034	mg/L	1
9 October 1992	SI0815	ND	0.0034	mg/L	1
12 October 1992	SI128	ND	0.0034	mg/L	1
12 October 1992	SI127	ND	0.0034	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0034

Method : SW8010					
Analyte : 1-Chlorohexane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	3.4	ug/L	1
9 September 1992	QT0817	ND	3.4	ug/L	1
17 September 1992	QT1716	ND	3.4	ug/L	1
30 September 1992	QP2913	ND	3.4	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 3.4

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1-Chlorohexane					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	3.4	ug/L	1
9 September 1992	QT0821	ND	3.4	ug/L	1
11 September 1992	QT1018	ND	3.4	ug/L	1
17 September 1992	QT1715	ND	3.4	ug/L	1
30 September 1992	QP2914	ND	3.4	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 3.4

Method : SW8010  
 Analyte : 1-Chlorohexane  
 Type of Blank : Method Blank

3 August 1992	OP037	ND	3.4	ug/L	1
4 August 1992	OJ049	ND	3.4	ug/L	1
7 August 1992	OP0610	ND	3.4	ug/L	1
7 August 1992	OT0611	ND	3.4	ug/L	1
10 August 1992	OT107	ND	3.4	ug/L	1
10 August 1992	OI108	ND	3.4	ug/L	1
30 August 1992	OI308	ND	3.4	ug/L	1
31 August 1992	OP3112	ND	3.4	ug/L	1
8 September 1992	QT088	ND	3.4	ug/L	1
10 September 1992	QJ106	ND	3.4	ug/L	1
11 September 1992	QT1014	ND	3.4	ug/L	1
15 September 1992	QJ145	ND	3.4	ug/L	1
16 September 1992	QJ167	ND	3.4	ug/L	1
17 September 1992	QT178	ND	3.4	ug/L	1
18 September 1992	QT188	ND	3.4	ug/L	1
18 September 1992	QJ189	ND	3.4	ug/L	1
18 September 1992	QP185	ND	3.4	ug/L	1
21 September 1992	QJ217	ND	3.4	ug/L	1
22 September 1992	QI225	ND	3.4	ug/L	1
23 September 1992	QJ2310	ND	3.4	ug/L	1
23 September 1992	QI234	ND	3.4	ug/L	1
24 September 1992	QT246	ND	3.4	ug/L	1
28 September 1992	QI286	ND	3.4	ug/L	1
28 September 1992	QP287	ND	3.4	ug/L	1
29 September 1992	QP296	ND	3.4	ug/L	1
30 September 1992	QT307	ND	3.4	ug/L	1
1 October 1992	SI016	ND	3.4	ug/L	1
2 October 1992	SI026	ND	3.4	ug/L	1
6 October 1992	SP066	ND	3.4	ug/L	1
6 October 1992	SI065	ND	3.4	ug/L	1
7 October 1992	SP076	ND	3.4	ug/L	1
7 October 1992	SI076	ND	3.4	ug/L	1
9 October 1992	SI088	ND	3.4	ug/L	1
9 October 1992	SP086	ND	3.4	ug/L	1
12 October 1992	SI126	ND	3.4	ug/L	1
16 October 1992	SP167	ND	3.4	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 1-Chlorohexane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	3.4	ug/L	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 3.4

Method : SW8010					
Analyte : 1-Chlorohexane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	3.4	ug/L	1
5 August 1992	OJ0418	ND	3.4	ug/L	1
9 September 1992	QT0819	ND	3.4	ug/L	1
11 September 1992	QT1019	ND	3.4	ug/L	1
18 September 1992	QT1718	ND	3.4	ug/L	1
18 September 1992	QT1717	ND	3.4	ug/L	1
19 September 1992	QT1820	ND	3.4	ug/L	1
19 September 1992	QP1814	ND	3.4	ug/L	1
22 September 1992	QJ2113	ND	3.4	ug/L	1
24 September 1992	QT2411	ND	3.4	ug/L	1
28 September 1992	QI287	ND	3.4	ug/L	1
28 September 1992	QP2811	ND	3.4	ug/L	1
28 September 1992	QP2813	ND	3.4	ug/L	1
1 October 1992	QT3019	ND	3.4	ug/L	1
1 October 1992	QT3020	ND	3.4	ug/L	1
3 October 1992	SI0220	ND	3.4	ug/L	1
7 October 1992	SI0617	ND	3.4	ug/L	1
8 October 1992	SI0717	ND	3.4	ug/L	1
9 October 1992	SI0815	ND	3.4	ug/L	1
12 October 1992	SI128	ND	3.4	ug/L	1
12 October 1992	SI127	ND	3.4	ug/L	1

Total Number of Blanks = 21

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 3.4

Method : SW8010					
Analyte : 2-Chloroethylvinylether					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.0006	mg/L	1
9 September 1992	QT0822	ND	0.0006	mg/L	1
17 September 1992	QT1716	ND	0.0006	mg/L	1
30 September 1992	QP2913	ND	0.0006	mg/L	1

Total Number of Blanks = 4

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.0006



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 2-Chloroethylvinylether					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.0006	mg/L	1
9 September 1992	QT0821	ND	0.0006	mg/L	1
11 September 1992	QT1018	ND	0.0006	mg/L	1
17 September 1992	QT1715	ND	0.0006	mg/L	1
30 September 1992	QP2914	ND	0.0006	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0006

Method : SW8010					
Analyte : 2-Chloroethylvinylether					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0006	mg/L	1
4 August 1992	OJ049	ND	0.0006	mg/L	1
7 August 1992	OT0611	ND	0.0006	mg/L	1
7 August 1992	OP0610	ND	0.0006	mg/L	1
10 August 1992	OT107	ND	0.0006	mg/L	1
10 August 1992	OI108	ND	0.0006	mg/L	1
30 August 1992	OI308	ND	0.0006	mg/L	1
31 August 1992	OP3112	ND	0.0006	mg/L	1
8 September 1992	QT088	ND	0.0006	mg/L	1
10 September 1992	QJ106	ND	0.0006	mg/L	1
11 September 1992	QT1014	ND	0.0006	mg/L	1
15 September 1992	QJ145	ND	0.0006	mg/L	1
16 September 1992	QJ167	ND	0.0006	mg/L	1
17 September 1992	QT178	ND	0.0006	mg/L	1
18 September 1992	QJ189	ND	0.0006	mg/L	1
18 September 1992	QT188	ND	0.0006	mg/L	1
18 September 1992	QP185	ND	0.0006	mg/L	1
21 September 1992	QJ217	ND	0.0006	mg/L	1
22 September 1992	QI225	ND	0.0006	mg/L	1
23 September 1992	QJ2310	ND	0.0006	mg/L	1
23 September 1992	QI234	ND	0.0006	mg/L	1
24 September 1992	QT246	ND	0.0006	mg/L	1
28 September 1992	QI286	ND	0.0006	mg/L	1
28 September 1992	QP287	ND	0.0006	mg/L	1
29 September 1992	QP296	ND	0.0006	mg/L	1
30 September 1992	QT307	ND	0.0006	mg/L	1
1 October 1992	SI016	ND	0.0006	mg/L	1
2 October 1992	SI026	ND	0.0006	mg/L	1
6 October 1992	SP066	ND	0.0006	mg/L	1
6 October 1992	SI065	ND	0.0006	mg/L	1
7 October 1992	SP076	ND	0.0006	mg/L	1
7 October 1992	SI076	ND	0.0006	mg/L	1
9 October 1992	SI088	ND	0.0006	mg/L	1
9 October 1992	SP086	ND	0.0006	mg/L	1
12 October 1992	SI126	ND	0.0006	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 2-Chloroethylvinylether, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0006	mg/L	1
20 October 1992	SP1914	ND	0.0006	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0006

Method : SW8010					
Analyte : 2-Chloroethylvinylether					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0006	mg/L	1
5 August 1992	OJ0418	ND	0.0006	mg/L	1
9 September 1992	QT0819	ND	0.0006	mg/L	1
11 September 1992	QT1019	ND	0.0006	mg/L	1
18 September 1992	QT1717	ND	0.0006	mg/L	1
18 September 1992	QT1718	ND	0.0006	mg/L	1
19 September 1992	QP1814	ND	0.0006	mg/L	1
19 September 1992	QT1820	ND	0.0006	mg/L	1
22 September 1992	QJ2113	ND	0.0006	mg/L	1
24 September 1992	QT2411	ND	0.0006	mg/L	1
28 September 1992	QI287	ND	0.0006	mg/L	1
28 September 1992	QP2813	ND	0.0006	mg/L	1
28 September 1992	QP2811	ND	0.0006	mg/L	1
1 October 1992	QT3019	ND	0.0006	mg/L	1
1 October 1992	QT3020	ND	0.0006	mg/L	1
3 October 1992	SI0220	ND	0.0006	mg/L	1
7 October 1992	SI0617	ND	0.0006	mg/L	1
8 October 1992	SI0717	ND	0.0006	mg/L	1
9 October 1992	SI0815	ND	0.0006	mg/L	1
12 October 1992	SI1128	ND	0.0006	mg/L	1
12 October 1992	SI1127	ND	0.0006	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0006

Method : SW8010					
Analyte : 2-Chloroethylvinylether					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.6	ug/L	1
9 September 1992	QT0817	ND	0.6	ug/L	1
17 September 1992	QT1716	ND	0.6	ug/L	1
30 September 1992	QP2913	ND	0.6	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.6

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : 2-Chloroethylvinylether					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.6	ug/L	1
9 September 1992	QT0821	ND	0.6	ug/L	1
11 September 1992	QT1018	ND	0.6	ug/L	1
17 September 1992	QT1715	ND	0.6	ug/L	1
30 September 1992	QP2914	ND	0.6	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.6

Method : SW8010					
Analyte : 2-Chloroethylvinylether					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.6	ug/L	1
4 August 1992	OJ049	ND	0.6	ug/L	1
7 August 1992	OP0610	ND	0.6	ug/L	1
7 August 1992	OT0611	ND	0.6	ug/L	1
10 August 1992	OT107	ND	0.6	ug/L	1
10 August 1992	OI108	ND	0.6	ug/L	1
30 August 1992	OI308	ND	0.6	ug/L	1
31 August 1992	OP3112	ND	0.6	ug/L	1
8 September 1992	QT088	ND	0.6	ug/L	1
10 September 1992	QJ106	ND	0.6	ug/L	1
11 September 1992	QT1014	ND	0.6	ug/L	1
15 September 1992	QJ145	ND	0.6	ug/L	1
16 September 1992	QJ167	ND	0.6	ug/L	1
17 September 1992	QT178	ND	0.6	ug/L	1
18 September 1992	QJ189	ND	0.6	ug/L	1
18 September 1992	QT188	ND	0.6	ug/L	1
18 September 1992	QP185	ND	0.6	ug/L	1
21 September 1992	QJ217	ND	0.6	ug/L	1
22 September 1992	QI225	ND	0.6	ug/L	1
23 September 1992	QJ2310	ND	0.6	ug/L	1
23 September 1992	QI234	ND	0.6	ug/L	1
24 September 1992	QT246	ND	0.6	ug/L	1
28 September 1992	QI286	ND	0.6	ug/L	1
28 September 1992	QP287	ND	0.6	ug/L	1
29 September 1992	QP296	ND	0.6	ug/L	1
30 September 1992	QT307	ND	0.6	ug/L	1
1 October 1992	SI016	ND	0.6	ug/L	1
2 October 1992	SI026	ND	0.6	ug/L	1
6 October 1992	SI065	ND	0.6	ug/L	1
6 October 1992	SP066	ND	0.6	ug/L	1
7 October 1992	SP076	ND	0.6	ug/L	1
7 October 1992	SI076	ND	0.6	ug/L	1
9 October 1992	SI088	ND	0.6	ug/L	1
9 October 1992	SP086	ND	0.6	ug/L	1
12 October 1992	SI126	ND	0.6	ug/L	1
16 October 1992	SP167	ND	0.6	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : 2-Chloroethylvinylether, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.6	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.6

Method : SW8010					
Analyte : 2-Chloroethylvinylether					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.6	ug/L	1
5 August 1992	OJ0418	ND	0.6	ug/L	1
9 September 1992	QT0819	ND	0.6	ug/L	1
11 September 1992	QT1019	ND	0.6	ug/L	1
18 September 1992	QT1718	ND	0.6	ug/L	1
18 September 1992	QT1717	ND	0.6	ug/L	1
19 September 1992	QP1814	ND	0.6	ug/L	1
19 September 1992	QT1820	ND	0.6	ug/L	1
22 September 1992	QJ2113	ND	0.6	ug/L	1
24 September 1992	QT2411	ND	0.6	ug/L	1
28 September 1992	QI287	ND	0.6	ug/L	1
28 September 1992	QP2811	ND	0.6	ug/L	1
28 September 1992	QP2813	ND	0.6	ug/L	1
1 October 1992	QT3019	ND	0.6	ug/L	1
1 October 1992	QT3020	ND	0.6	ug/L	1
3 October 1992	SI0220	ND	0.6	ug/L	1
7 October 1992	SI0617	ND	0.6	ug/L	1
8 October 1992	SI0717	ND	0.6	ug/L	1
9 October 1992	SI0815	ND	0.6	ug/L	1
12 October 1992	SI128	ND	0.6	ug/L	1
12 October 1992	SI127	ND	0.6	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.6

Method : SW8010					
Analyte : Bromobenzene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.0016	mg/L	1
9 September 1992	QT0822	ND	0.0016	mg/L	1
17 September 1992	QT1716	ND	0.0016	mg/L	1
30 September 1992	QP2913	ND	0.0016	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0016

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Bromobenzene					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.0016	mg/L	1
9 September 1992	QT0821	ND	0.0016	mg/L	1
11 September 1992	QT1018	ND	0.0016	mg/L	1
17 September 1992	QT1715	ND	0.0016	mg/L	1
30 September 1992	QP2914	ND	0.0016	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0016

Method : SW8010					
Analyte : Bromobenzene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0016	mg/L	1
4 August 1992	OJ049	ND	0.0016	mg/L	1
7 August 1992	OP0610	ND	0.0016	mg/L	1
7 August 1992	OT0611	ND	0.0016	mg/L	1
10 August 1992	OI108	ND	0.0016	mg/L	1
10 August 1992	OT107	ND	0.0016	mg/L	1
30 August 1992	OI308	ND	0.0016	mg/L	1
31 August 1992	OP3112	ND	0.0016	mg/L	1
8 September 1992	QT088	ND	0.0016	mg/L	1
10 September 1992	QJ106	ND	0.0016	mg/L	1
11 September 1992	QT1014	ND	0.0016	mg/L	1
15 September 1992	QJ145	ND	0.0016	mg/L	1
16 September 1992	QJ167	ND	0.0016	mg/L	1
17 September 1992	QT178	ND	0.0016	mg/L	1
18 September 1992	QJ189	ND	0.0016	mg/L	1
18 September 1992	QT188	ND	0.0016	mg/L	1
18 September 1992	QP185	ND	0.0016	mg/L	1
21 September 1992	QJ217	ND	0.0016	mg/L	1
22 September 1992	QI225	ND	0.0016	mg/L	1
23 September 1992	QJ2310	ND	0.0016	mg/L	1
23 September 1992	QI234	ND	0.0016	mg/L	1
24 September 1992	QT246	ND	0.0016	mg/L	1
28 September 1992	QI286	ND	0.0016	mg/L	1
28 September 1992	QP287	ND	0.0016	mg/L	1
29 September 1992	QP296	ND	0.0016	mg/L	1
30 September 1992	QT307	ND	0.0016	mg/L	1
1 October 1992	SI016	ND	0.0016	mg/L	1
2 October 1992	SI026	ND	0.0016	mg/L	1
6 October 1992	SI065	ND	0.0016	mg/L	1
6 October 1992	SP066	ND	0.0016	mg/L	1
7 October 1992	SI076	ND	0.0016	mg/L	1
7 October 1992	SP076	ND	0.0016	mg/L	1
9 October 1992	SI088	ND	0.0016	mg/L	1
9 October 1992	SP086	ND	0.0016	mg/L	1
12 October 1992	SI126	ND	0.0016	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Bromobenzene, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0016	mg/L	1
20 October 1992	SP1914	ND	0.0016	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0016

Method : SW8010					
Analyte : Bromobenzene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0016	mg/L	1
5 August 1992	OJ0418	ND	0.0016	mg/L	1
9 September 1992	QT0819	ND	0.0016	mg/L	1
11 September 1992	QT1019	ND	0.0016	mg/L	1
18 September 1992	QT1718	ND	0.0016	mg/L	1
18 September 1992	QT1717	ND	0.0016	mg/L	1
19 September 1992	QP1814	ND	0.0016	mg/L	1
19 September 1992	QT1820	ND	0.0016	mg/L	1
22 September 1992	QJ2113	ND	0.0016	mg/L	1
24 September 1992	QT2411	ND	0.0016	mg/L	1
28 September 1992	QI287	ND	0.0016	mg/L	1
28 September 1992	QP2811	ND	0.0016	mg/L	1
28 September 1992	QP2813	ND	0.0016	mg/L	1
1 October 1992	QT3020	ND	0.0016	mg/L	1
1 October 1992	QT3019	ND	0.0016	mg/L	1
3 October 1992	SI0220	ND	0.0016	mg/L	1
7 October 1992	SI0617	ND	0.0016	mg/L	1
8 October 1992	SI0717	ND	0.0016	mg/L	1
9 October 1992	SI0815	ND	0.0016	mg/L	1
12 October 1992	SI128	ND	0.0016	mg/L	1
12 October 1992	SI127	ND	0.0016	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0016

Method : SW8010					
Analyte : Bromobenzene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	1.6	ug/L	1
9 September 1992	QT0822	ND	1.6	ug/L	1
17 September 1992	QT1716	ND	1.6	ug/L	1
30 September 1992	QP2913	ND	1.6	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1.6

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Bromobenzene					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	1.6	ug/L	1
9 September 1992	QT0816	ND	1.6	ug/L	1
11 September 1992	QT1018	ND	1.6	ug/L	1
17 September 1992	QT1715	ND	1.6	ug/L	1
30 September 1992	QP2914	ND	1.6	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1.6

Method : SW8010					
Analyte : Bromobenzene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	1.6	ug/L	1
4 August 1992	OJ049	ND	1.6	ug/L	1
7 August 1992	OT0611	ND	1.6	ug/L	1
7 August 1992	OP0610	ND	1.6	ug/L	1
10 August 1992	OT107	ND	1.6	ug/L	1
10 August 1992	OI108	ND	1.6	ug/L	1
30 August 1992	OI308	ND	1.6	ug/L	1
31 August 1992	OP3112	ND	1.6	ug/L	1
8 September 1992	QT088	ND	1.6	ug/L	1
10 September 1992	QJ106	ND	1.6	ug/L	1
11 September 1992	QT1014	ND	1.6	ug/L	1
15 September 1992	QJ145	ND	1.6	ug/L	1
16 September 1992	QJ167	ND	1.6	ug/L	1
17 September 1992	QT178	ND	1.6	ug/L	1
18 September 1992	QJ189	ND	1.6	ug/L	1
18 September 1992	QT188	ND	1.6	ug/L	1
18 September 1992	QP185	ND	1.6	ug/L	1
21 September 1992	QJ217	ND	1.6	ug/L	1
22 September 1992	QI225	ND	1.6	ug/L	1
23 September 1992	QJ2310	ND	1.6	ug/L	1
23 September 1992	QI234	ND	1.6	ug/L	1
24 September 1992	QT246	ND	1.6	ug/L	1
28 September 1992	QI286	ND	1.6	ug/L	1
28 September 1992	QP287	ND	1.6	ug/L	1
29 September 1992	QP296	ND	1.6	ug/L	1
30 September 1992	QT307	ND	1.6	ug/L	1
1 October 1992	SI016	ND	1.6	ug/L	1
2 October 1992	SI026	ND	1.6	ug/L	1
6 October 1992	SP066	ND	1.6	ug/L	1
6 October 1992	SI065	ND	1.6	ug/L	1
7 October 1992	SI076	ND	1.6	ug/L	1
7 October 1992	SP076	ND	1.6	ug/L	1
9 October 1992	SP086	ND	1.6	ug/L	1
9 October 1992	SI088	ND	1.6	ug/L	1
12 October 1992	SI126	ND	1.6	ug/L	1
16 October 1992	SP167	ND	1.6	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Bromobenzene, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	1.6	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1.6

Method : SW8010					
Analyte : Bromobenzene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	1.6	ug/L	1
5 August 1992	OJ0418	ND	1.6	ug/L	1
9 September 1992	QT0819	ND	1.6	ug/L	1
11 September 1992	QT1019	ND	1.6	ug/L	1
18 September 1992	QT1717	ND	1.6	ug/L	1
18 September 1992	QT1718	ND	1.6	ug/L	1
19 September 1992	QT1820	ND	1.6	ug/L	1
19 September 1992	QP1814	ND	1.6	ug/L	1
22 September 1992	QJ2113	ND	1.6	ug/L	1
24 September 1992	QT2411	ND	1.6	ug/L	1
28 September 1992	QI287	ND	1.6	ug/L	1
28 September 1992	QP2813	ND	1.6	ug/L	1
28 September 1992	QP2811	ND	1.6	ug/L	1
1 October 1992	QT3020	ND	1.6	ug/L	1
1 October 1992	QT3019	ND	1.6	ug/L	1
3 October 1992	SI0220	ND	1.6	ug/L	1
7 October 1992	SI0617	ND	1.6	ug/L	1
8 October 1992	SI0717	ND	1.6	ug/L	1
9 October 1992	SI0815	ND	1.6	ug/L	1
12 October 1992	SI1128	ND	1.6	ug/L	1
12 October 1992	SI1127	ND	1.6	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1.6

Method : SW8010					
Analyte : Bromodichloromethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.0001	mg/L	1
9 September 1992	QT0822	ND	0.0001	mg/L	1
17 September 1992	QT1716	ND	0.0001	mg/L	1
30 September 1992	QP2913	ND	0.0001	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0001



TABLE A-5

DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE	LAB		REPORTING		
ANALYZED	ID	RESULT	LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : Bromodichloromethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.0001	mg/L	1
9 September 1992	QT0821	ND	0.0001	mg/L	1
11 September 1992	QT1018	ND	0.0001	mg/L	1
17 September 1992	QT1715	ND	0.0001	mg/L	1
30 September 1992	QP2914	ND	0.0001	mg/L	1
-----					
Total Number of Blanks = 5		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0001			
Method : SW8010					
Analyte : Bromodichloromethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0001	mg/L	1
4 August 1992	OJ049	ND	0.0001	mg/L	1
7 August 1992	OT0611	ND	0.0001	mg/L	1
7 August 1992	OP0610	ND	0.0001	mg/L	1
10 August 1992	OI108	ND	0.0001	mg/L	1
10 August 1992	OT107	ND	0.0001	mg/L	1
30 August 1992	OI308	ND	0.0001	mg/L	1
31 August 1992	OP3112	ND	0.0001	mg/L	1
8 September 1992	QT088	ND	0.0001	mg/L	1
10 September 1992	QJ106	ND	0.0001	mg/L	1
11 September 1992	QT1014	ND	0.0001	mg/L	1
15 September 1992	QJ145	ND	0.0001	mg/L	1
16 September 1992	QJ167	ND	0.0001	mg/L	1
17 September 1992	QT178	ND	0.0001	mg/L	1
18 September 1992	QJ189	ND	0.0001	mg/L	1
18 September 1992	QT188	ND	0.0001	mg/L	1
18 September 1992	QP185	ND	0.0001	mg/L	1
21 September 1992	QJ217	ND	0.0001	mg/L	1
22 September 1992	QI225	ND	0.0001	mg/L	1
23 September 1992	QJ2310	ND	0.0001	mg/L	1
23 September 1992	QI234	ND	0.0001	mg/L	1
24 September 1992	QT246	ND	0.0001	mg/L	1
28 September 1992	QI286	ND	0.0001	mg/L	1
28 September 1992	QP287	ND	0.0001	mg/L	1
29 September 1992	QP296	ND	0.0001	mg/L	1
30 September 1992	QT307	ND	0.0001	mg/L	1
1 October 1992	SI016	ND	0.0001	mg/L	1
2 October 1992	SI026	ND	0.0001	mg/L	1
6 October 1992	SP066	ND	0.0001	mg/L	1
6 October 1992	SI065	ND	0.0001	mg/L	1
7 October 1992	SI076	ND	0.0001	mg/L	1
7 October 1992	SP076	ND	0.0001	mg/L	1
9 October 1992	SI088	ND	0.0001	mg/L	1
9 October 1992	SP086	ND	0.0001	mg/L	1
12 October 1992	SI126	ND	0.0001	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Bromodichloromethane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0001	mg/L	1
20 October 1992	SP1914	ND	0.0001	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0001

Method : SW8010					
Analyte : Bromodichloromethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0001	mg/L	1
5 August 1992	OJ0418	ND	0.0001	mg/L	1
9 September 1992	QT0819	ND	0.0001	mg/L	1
11 September 1992	QT1019	ND	0.0001	mg/L	1
18 September 1992	QT1718	ND	0.0001	mg/L	1
18 September 1992	QT1717	ND	0.0001	mg/L	1
19 September 1992	QT1820	ND	0.0001	mg/L	1
19 September 1992	QP1814	ND	0.0001	mg/L	1
22 September 1992	QJ2113	ND	0.0001	mg/L	1
24 September 1992	QT2411	ND	0.0001	mg/L	1
28 September 1992	QI287	ND	0.0001	mg/L	1
28 September 1992	QP2811	ND	0.0001	mg/L	1
28 September 1992	QP2813	ND	0.0001	mg/L	1
1 October 1992	QT3020	ND	0.0001	mg/L	1
1 October 1992	QT3019	ND	0.0001	mg/L	1
3 October 1992	SI0220	ND	0.0001	mg/L	1
7 October 1992	SI0617	ND	0.0001	mg/L	1
8 October 1992	SI0717	ND	0.0001	mg/L	1
9 October 1992	SI0815	ND	0.0001	mg/L	1
12 October 1992	SI1128	ND	0.0001	mg/L	1
12 October 1992	SI1127	ND	0.0001	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0001

Method : SW8010					
Analyte : Bromodichloromethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.1	ug/L	1
9 September 1992	QT0817	ND	0.1	ug/L	1
17 September 1992	QT1716	ND	0.1	ug/L	1
30 September 1992	QP2913	ND	0.1	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Bromodichloromethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.1	ug/L	1
9 September 1992	QT0821	ND	0.1	ug/L	1
11 September 1992	QT1018	ND	0.1	ug/L	1
17 September 1992	QT1715	ND	0.1	ug/L	1
30 September 1992	QP2914	ND	0.1	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

Method : SW8010					
Analyte : Bromodichloromethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.1	ug/L	1
4 August 1992	OJ049	ND	0.1	ug/L	1
7 August 1992	OT0611	ND	0.1	ug/L	1
7 August 1992	OP0610	ND	0.1	ug/L	1
10 August 1992	OT107	ND	0.1	ug/L	1
10 August 1992	OI108	ND	0.1	ug/L	1
30 August 1992	OI308	ND	0.1	ug/L	1
31 August 1992	OP3112	ND	0.1	ug/L	1
8 September 1992	QT088	ND	0.1	ug/L	1
10 September 1992	QJ106	ND	0.1	ug/L	1
11 September 1992	QT1014	ND	0.1	ug/L	1
15 September 1992	QJ145	ND	0.1	ug/L	1
16 September 1992	QJ167	ND	0.1	ug/L	1
17 September 1992	QT178	ND	0.1	ug/L	1
18 September 1992	QJ189	ND	0.1	ug/L	1
18 September 1992	QT188	ND	0.1	ug/L	1
18 September 1992	QP185	ND	0.1	ug/L	1
21 September 1992	QJ217	ND	0.1	ug/L	1
22 September 1992	QI225	ND	0.1	ug/L	1
23 September 1992	QJ2310	ND	0.1	ug/L	1
23 September 1992	QI234	ND	0.1	ug/L	1
24 September 1992	QT246	ND	0.1	ug/L	1
28 September 1992	QI286	ND	0.1	ug/L	1
28 September 1992	QP287	ND	0.1	ug/L	1
29 September 1992	QP296	ND	0.1	ug/L	1
30 September 1992	QT307	ND	0.1	ug/L	1
1 October 1992	SI016	ND	0.1	ug/L	1
2 October 1992	SI026	ND	0.1	ug/L	1
6 October 1992	SP066	ND	0.1	ug/L	1
6 October 1992	SI065	ND	0.1	ug/L	1
7 October 1992	SI076	ND	0.1	ug/L	1
7 October 1992	SP076	ND	0.1	ug/L	1
9 October 1992	SP086	ND	0.1	ug/L	1
9 October 1992	SI088	ND	0.1	ug/L	1
12 October 1992	SI126	ND	0.1	ug/L	1
16 October 1992	SP167	ND	0.1	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Bromodichloromethane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.1	ug/L	1
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.1			
Method : SW8010					
Analyte : Bromodichloromethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.1	ug/L	1
5 August 1992	OJ0418	ND	0.1	ug/L	1
9 September 1992	QT0819	ND	0.1	ug/L	1
11 September 1992	QT1019	ND	0.1	ug/L	1
18 September 1992	QT1718	ND	0.1	ug/L	1
18 September 1992	QT1717	ND	0.1	ug/L	1
19 September 1992	QT1820	ND	0.1	ug/L	1
19 September 1992	QP1814	ND	0.1	ug/L	1
22 September 1992	QJ2113	ND	0.1	ug/L	1
24 September 1992	QT2411	ND	0.1	ug/L	1
28 September 1992	QI287	ND	0.1	ug/L	1
28 September 1992	QP2811	ND	0.1	ug/L	1
28 September 1992	QP2813	ND	0.1	ug/L	1
1 October 1992	QT3020	ND	0.1	ug/L	1
1 October 1992	QT3019	ND	0.1	ug/L	1
3 October 1992	SI0220	ND	0.1	ug/L	1
7 October 1992	SI0617	ND	0.1	ug/L	1
8 October 1992	SI0717	ND	0.1	ug/L	1
9 October 1992	SI0815	ND	0.1	ug/L	1
12 October 1992	SI1128	ND	0.1	ug/L	1
12 October 1992	SI1127	ND	0.1	ug/L	1
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.1			
Method : SW8010					
Analyte : Bromoform					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.0005	mg/L	1
9 September 1992	QT0817	ND	0.0005	mg/L	1
17 September 1992	QT1716	ND	0.0005	mg/L	1
30 September 1992	QP2913	ND	0.0005	mg/L	1
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0005			

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Bromoform					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.0005	mg/L	1
9 September 1992	QT0821	ND	0.0005	mg/L	1
11 September 1992	QT1018	ND	0.0005	mg/L	1
17 September 1992	QT1715	ND	0.0005	mg/L	1
30 September 1992	QP2914	ND	0.0005	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0005

Method : SW8010					
Analyte : Bromoform					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0005	mg/L	1
4 August 1992	OJ049	ND	0.0005	mg/L	1
7 August 1992	OP0610	ND	0.0005	mg/L	1
7 August 1992	OT0611	ND	0.0005	mg/L	1
10 August 1992	OI108	ND	0.0005	mg/L	1
10 August 1992	OT107	ND	0.0005	mg/L	1
30 August 1992	OI308	ND	0.0005	mg/L	1
31 August 1992	OP3112	ND	0.0005	mg/L	1
8 September 1992	QT088	ND	0.0005	mg/L	1
10 September 1992	QJ106	ND	0.0005	mg/L	1
11 September 1992	QT1014	ND	0.0005	mg/L	1
15 September 1992	QJ145	ND	0.0005	mg/L	1
16 September 1992	QJ167	ND	0.0005	mg/L	1
17 September 1992	QT178	ND	0.0005	mg/L	1
18 September 1992	QT188	ND	0.0005	mg/L	1
18 September 1992	QJ189	ND	0.0005	mg/L	1
18 September 1992	QP185	ND	0.0005	mg/L	1
21 September 1992	QJ217	ND	0.0005	mg/L	1
22 September 1992	QI225	ND	0.0005	mg/L	1
23 September 1992	QJ2310	ND	0.0005	mg/L	1
23 September 1992	QI234	ND	0.0005	mg/L	1
24 September 1992	QT246	ND	0.0005	mg/L	1
28 September 1992	QI286	ND	0.0005	mg/L	1
28 September 1992	QP287	ND	0.0005	mg/L	1
29 September 1992	QP296	ND	0.0005	mg/L	1
30 September 1992	QT307	ND	0.0005	mg/L	1
1 October 1992	SI016	ND	0.0005	mg/L	1
2 October 1992	SI026	ND	0.0005	mg/L	1
6 October 1992	SP066	ND	0.0005	mg/L	1
6 October 1992	SI065	ND	0.0005	mg/L	1
7 October 1992	SI076	ND	0.0005	mg/L	1
7 October 1992	SP076	ND	0.0005	mg/L	1
9 October 1992	SP086	ND	0.0005	mg/L	1
9 October 1992	SI088	ND	0.0005	mg/L	1
12 October 1992	SI126	ND	0.0005	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Bromoform, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0005	mg/L	1
20 October 1992	SP1914	ND	0.0005	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0005

Method : SW8010					
Analyte : Bromoform					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0005	mg/L	1
5 August 1992	OJ0418	ND	0.0005	mg/L	1
9 September 1992	QT0819	ND	0.0005	mg/L	1
11 September 1992	QT1019	ND	0.0005	mg/L	1
18 September 1992	QT1717	ND	0.0005	mg/L	1
18 September 1992	QT1718	ND	0.0005	mg/L	1
19 September 1992	QP1814	ND	0.0005	mg/L	1
19 September 1992	QT1820	ND	0.0005	mg/L	1
22 September 1992	QJ2113	ND	0.0005	mg/L	1
24 September 1992	QT2411	ND	0.0005	mg/L	1
28 September 1992	QI287	ND	0.0005	mg/L	1
28 September 1992	QP2813	ND	0.0005	mg/L	1
28 September 1992	QP2811	ND	0.0005	mg/L	1
1 October 1992	QT3020	ND	0.0005	mg/L	1
1 October 1992	QT3019	ND	0.0005	mg/L	1
3 October 1992	SI0220	ND	0.0005	mg/L	1
7 October 1992	SI0617	ND	0.0005	mg/L	1
8 October 1992	SI0717	ND	0.0005	mg/L	1
9 October 1992	SI0815	ND	0.0005	mg/L	1
12 October 1992	SI1128	ND	0.0005	mg/L	1
12 October 1992	SI1127	ND	0.0005	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0005

Method : SW8010					
Analyte : Bromoform					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.5	ug/L	1
9 September 1992	QT0822	ND	0.5	ug/L	1
17 September 1992	QT1716	ND	0.5	ug/L	1
30 September 1992	QP2913	ND	0.5	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.5

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Bromoform					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.5	ug/L	1
9 September 1992	QT0821	ND	0.5	ug/L	1
11 September 1992	QT1018	ND	0.5	ug/L	1
17 September 1992	QT1715	ND	0.5	ug/L	1
30 September 1992	QP2914	ND	0.5	ug/L	1

Total Number of Blanks = 5

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.5

Method : SW8010					
Analyte : Bromoform					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.5	ug/L	1
4 August 1992	OJ049	ND	0.5	ug/L	1
7 August 1992	OP0610	ND	0.5	ug/L	1
7 August 1992	OT0611	ND	0.5	ug/L	1
10 August 1992	OT107	ND	0.5	ug/L	1
10 August 1992	OI108	ND	0.5	ug/L	1
30 August 1992	OI308	ND	0.5	ug/L	1
31 August 1992	OP3112	ND	0.5	ug/L	1
8 September 1992	QT088	ND	0.5	ug/L	1
10 September 1992	QJ106	ND	0.5	ug/L	1
11 September 1992	QT1014	ND	0.5	ug/L	1
15 September 1992	QJ145	ND	0.5	ug/L	1
16 September 1992	QJ167	ND	0.5	ug/L	1
17 September 1992	QT178	ND	0.5	ug/L	1
18 September 1992	QJ189	ND	0.5	ug/L	1
18 September 1992	QT188	ND	0.5	ug/L	1
18 September 1992	QP185	ND	0.5	ug/L	1
21 September 1992	QJ217	ND	0.5	ug/L	1
22 September 1992	QI225	ND	0.5	ug/L	1
23 September 1992	QJ2310	ND	0.5	ug/L	1
23 September 1992	QI234	ND	0.5	ug/L	1
24 September 1992	QT246	ND	0.5	ug/L	1
28 September 1992	QI286	ND	0.5	ug/L	1
28 September 1992	QP287	ND	0.5	ug/L	1
29 September 1992	QP296	ND	0.5	ug/L	1
30 September 1992	QT307	ND	0.5	ug/L	1
1 October 1992	SI016	ND	0.5	ug/L	1
2 October 1992	SI026	ND	0.5	ug/L	1
6 October 1992	SI065	ND	0.5	ug/L	1
6 October 1992	SP066	ND	0.5	ug/L	1
7 October 1992	SI076	ND	0.5	ug/L	1
7 October 1992	SP076	ND	0.5	ug/L	1
9 October 1992	SI088	ND	0.5	ug/L	1
9 October 1992	SP086	ND	0.5	ug/L	1
12 October 1992	SI126	ND	0.5	ug/L	1
16 October 1992	SP167	ND	0.5	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Bromoform, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.5	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.5

Method : SW8010					
Analyte : Bromoform					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.5	ug/L	1
5 August 1992	OJ0418	ND	0.5	ug/L	1
9 September 1992	QT0819	ND	0.5	ug/L	1
11 September 1992	QT1019	ND	0.5	ug/L	1
18 September 1992	QT1717	ND	0.5	ug/L	1
18 September 1992	QT1718	ND	0.5	ug/L	1
19 September 1992	QP1814	ND	0.5	ug/L	1
19 September 1992	QT1820	ND	0.5	ug/L	1
22 September 1992	QJ2113	ND	0.5	ug/L	1
24 September 1992	QT2411	ND	0.5	ug/L	1
28 September 1992	QI287	ND	0.5	ug/L	1
28 September 1992	QP2813	ND	0.5	ug/L	1
28 September 1992	QP2811	ND	0.5	ug/L	1
1 October 1992	QT3020	ND	0.5	ug/L	1
1 October 1992	QT3019	ND	0.5	ug/L	1
3 October 1992	SI0220	ND	0.5	ug/L	1
7 October 1992	SI0617	ND	0.5	ug/L	1
8 October 1992	SI0717	ND	0.5	ug/L	1
9 October 1992	SI0815	ND	0.5	ug/L	1
12 October 1992	SI128	ND	0.5	ug/L	1
12 October 1992	SI127	ND	0.5	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.5

Method : SW8010					
Analyte : Bromomethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.00035	mg/L	1
9 September 1992	QT0817	ND	0.00035	mg/L	1
17 September 1992	QT1716	ND	0.00035	mg/L	1
30 September 1992	QP2913	ND	0.00035	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00035



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : Bromomethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.00035	mg/L	1
9 September 1992	QT0821	ND	0.00035	mg/L	1
11 September 1992	QT1018	ND	0.00035	mg/L	1
17 September 1992	QT1715	ND	0.00035	mg/L	1
30 September 1992	QP2914	ND	0.00035	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00035

Method : SW8010					
Analyte : Bromomethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.00035	mg/L	1
4 August 1992	OJ049	ND	0.00035	mg/L	1
7 August 1992	OT0611	ND	0.00035	mg/L	1
7 August 1992	OP0610	ND	0.00035	mg/L	1
10 August 1992	OI108	ND	0.00035	mg/L	1
10 August 1992	OT107	ND	0.00035	mg/L	1
30 August 1992	OI308	ND	0.00035	mg/L	1
31 August 1992	OP3112	ND	0.00035	mg/L	1
8 September 1992	QT088	ND	0.00035	mg/L	1
10 September 1992	QJ106	ND	0.00035	mg/L	1
11 September 1992	QT1014	ND	0.00035	mg/L	1
15 September 1992	QJ145	ND	0.00035	mg/L	1
16 September 1992	QJ167	ND	0.00035	mg/L	1
17 September 1992	QT178	ND	0.00035	mg/L	1
18 September 1992	QT188	ND	0.00035	mg/L	1
18 September 1992	QJ189	ND	0.00035	mg/L	1
18 September 1992	QP185	ND	0.00035	mg/L	1
21 September 1992	QJ217	ND	0.00035	mg/L	1
22 September 1992	QI225	ND	0.00035	mg/L	1
23 September 1992	QJ2310	ND	0.00035	mg/L	1
23 September 1992	QI234	ND	0.00035	mg/L	1
24 September 1992	QT246	ND	0.00035	mg/L	1
28 September 1992	QI286	ND	0.00035	mg/L	1
28 September 1992	QP287	ND	0.00035	mg/L	1
29 September 1992	QP296	ND	0.00035	mg/L	1
30 September 1992	QT307	ND	0.00035	mg/L	1
1 October 1992	SI016	ND	0.00035	mg/L	1
2 October 1992	SI026	ND	0.00035	mg/L	1
6 October 1992	SP066	ND	0.00035	mg/L	1
6 October 1992	SI065	ND	0.00035	mg/L	1
7 October 1992	SI076	ND	0.00035	mg/L	1
7 October 1992	SP076	ND	0.00035	mg/L	1
9 October 1992	SP086	ND	0.00035	mg/L	1
9 October 1992	SI088	ND	0.00035	mg/L	1
12 October 1992	SI126	ND	0.00035	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Bromomethane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.00035	mg/L	1
20 October 1992	SP1914	ND	0.00035	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00035

Method : SW8010					
Analyte : Bromomethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.00035	mg/L	1
5 August 1992	OJ0418	ND	0.00035	mg/L	1
9 September 1992	QT0819	ND	0.00035	mg/L	1
11 September 1992	QT1019	ND	0.00035	mg/L	1
18 September 1992	QT1718	ND	0.00035	mg/L	1
18 September 1992	QT1717	ND	0.00035	mg/L	1
19 September 1992	QP1814	ND	0.00035	mg/L	1
19 September 1992	QT1820	ND	0.00035	mg/L	1
22 September 1992	QJ2113	ND	0.00035	mg/L	1
24 September 1992	QT2411	ND	0.00035	mg/L	1
28 September 1992	QI287	ND	0.00035	mg/L	1
28 September 1992	QP2811	ND	0.00035	mg/L	1
28 September 1992	QP2813	ND	0.00035	mg/L	1
1 October 1992	QT3019	ND	0.00035	mg/L	1
1 October 1992	QT3020	ND	0.00035	mg/L	1
3 October 1992	SI0220	ND	0.00035	mg/L	1
7 October 1992	SI0617	ND	0.00035	mg/L	1
8 October 1992	SI0717	ND	0.00035	mg/L	1
9 October 1992	SI0815	ND	0.00035	mg/L	1
12 October 1992	SI128	ND	0.00035	mg/L	1
12 October 1992	SI127	ND	0.00035	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00035

Method : SW8010					
Analyte : Bromomethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.35	ug/L	1
9 September 1992	QT0817	ND	0.35	ug/L	1
17 September 1992	QT1716	ND	0.35	ug/L	1
30 September 1992	QP2913	ND	0.35	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.35

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Bromomethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.35	ug/L	1
9 September 1992	QT0821	ND	0.35	ug/L	1
11 September 1992	QT1018	ND	0.35	ug/L	1
17 September 1992	QT1715	ND	0.35	ug/L	1
30 September 1992	QP2914	ND	0.35	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.35

Method : SW8010					
Analyte : Bromomethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.35	ug/L	1
4 August 1992	OJ049	ND	0.35	ug/L	1
7 August 1992	OT0611	ND	0.35	ug/L	1
7 August 1992	OP0610	ND	0.35	ug/L	1
10 August 1992	OI108	ND	0.35	ug/L	1
10 August 1992	OT107	ND	0.35	ug/L	1
30 August 1992	OI308	ND	0.35	ug/L	1
31 August 1992	OP3112	ND	0.35	ug/L	1
8 September 1992	QT088	ND	0.35	ug/L	1
10 September 1992	QJ106	ND	0.35	ug/L	1
11 September 1992	QT1014	ND	0.35	ug/L	1
15 September 1992	QJ145	ND	0.35	ug/L	1
16 September 1992	QJ167	ND	0.35	ug/L	1
17 September 1992	QT178	ND	0.35	ug/L	1
18 September 1992	QT188	ND	0.35	ug/L	1
18 September 1992	QJ189	ND	0.35	ug/L	1
18 September 1992	QP185	ND	0.35	ug/L	1
21 September 1992	QJ217	ND	0.35	ug/L	1
22 September 1992	QI225	ND	0.35	ug/L	1
23 September 1992	QJ2310	ND	0.35	ug/L	1
23 September 1992	QI234	ND	0.35	ug/L	1
24 September 1992	QT246	ND	0.35	ug/L	1
28 September 1992	QI286	ND	0.35	ug/L	1
28 September 1992	QP287	ND	0.35	ug/L	1
29 September 1992	QP296	ND	0.35	ug/L	1
30 September 1992	QT307	ND	0.35	ug/L	1
1 October 1992	SI016	ND	0.35	ug/L	1
2 October 1992	SI026	ND	0.35	ug/L	1
6 October 1992	SP066	ND	0.35	ug/L	1
6 October 1992	SI065	ND	0.35	ug/L	1
7 October 1992	SP076	ND	0.35	ug/L	1
7 October 1992	SI076	ND	0.35	ug/L	1
9 October 1992	SI088	ND	0.35	ug/L	1
9 October 1992	SP086	ND	0.35	ug/L	1
12 October 1992	SI126	ND	0.35	ug/L	1
16 October 1992	SP167	ND	0.35	ug/L	1

TABLE A-5

DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : Bromomethane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.35	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.35

Method : SW8010					
Analyte : Bromomethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.35	ug/L	1
5 August 1992	OJ0418	ND	0.35	ug/L	1
9 September 1992	QT0819	ND	0.35	ug/L	1
11 September 1992	QT1019	ND	0.35	ug/L	1
18 September 1992	QT1718	ND	0.35	ug/L	1
18 September 1992	QT1717	ND	0.35	ug/L	1
19 September 1992	QP1814	ND	0.35	ug/L	1
19 September 1992	QT1820	ND	0.35	ug/L	1
22 September 1992	QJ2113	ND	0.35	ug/L	1
24 September 1992	QT2411	ND	0.35	ug/L	1
28 September 1992	QI287	ND	0.35	ug/L	1
28 September 1992	QP2811	ND	0.35	ug/L	1
28 September 1992	QP2813	ND	0.35	ug/L	1
1 October 1992	QT3020	ND	0.35	ug/L	1
1 October 1992	QT3019	ND	0.35	ug/L	1
3 October 1992	SI0220	ND	0.35	ug/L	1
7 October 1992	SI0617	ND	0.35	ug/L	1
8 October 1992	SI0717	ND	0.35	ug/L	1
9 October 1992	SI0815	ND	0.35	ug/L	1
12 October 1992	SI1128	ND	0.35	ug/L	1
12 October 1992	SI1127	ND	0.35	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.35

Method : SW8010					
Analyte : Carbon tetrachloride					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.00035	mg/L	1
9 September 1992	QT0822	ND	0.00035	mg/L	1
17 September 1992	QT1716	ND	0.00035	mg/L	1
30 September 1992	QP2913	ND	0.00035	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00035

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Carbon tetrachloride					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.00035	mg/L	1
9 September 1992	QT0821	ND	0.00035	mg/L	1
11 September 1992	QT1018	ND	0.00035	mg/L	1
17 September 1992	QT1715	ND	0.00035	mg/L	1
30 September 1992	QP2914	ND	0.00035	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00035

Method : SW8010					
Analyte : Carbon tetrachloride					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.00035	mg/L	1
4 August 1992	OJ049	ND	0.00035	mg/L	1
7 August 1992	OP0610	ND	0.00035	mg/L	1
7 August 1992	OT0611	ND	0.00035	mg/L	1
10 August 1992	OI108	ND	0.00035	mg/L	1
10 August 1992	OT107	ND	0.00035	mg/L	1
30 August 1992	OI308	ND	0.00035	mg/L	1
31 August 1992	OP3112	ND	0.00035	mg/L	1
8 September 1992	QT088	ND	0.00035	mg/L	1
10 September 1992	QJ106	ND	0.00035	mg/L	1
11 September 1992	QT1014	ND	0.00035	mg/L	1
15 September 1992	QJ145	ND	0.00035	mg/L	1
16 September 1992	QJ167	ND	0.00035	mg/L	1
17 September 1992	QT178	ND	0.00035	mg/L	1
18 September 1992	QT188	ND	0.00035	mg/L	1
18 September 1992	QJ189	ND	0.00035	mg/L	1
18 September 1992	QP185	ND	0.00035	mg/L	1
21 September 1992	QJ217	ND	0.00035	mg/L	1
22 September 1992	QI225	ND	0.00035	mg/L	1
23 September 1992	QJ2310	ND	0.00035	mg/L	1
23 September 1992	QI234	ND	0.00035	mg/L	1
24 September 1992	QT246	ND	0.00035	mg/L	1
28 September 1992	QI286	ND	0.00035	mg/L	1
28 September 1992	QP287	ND	0.00035	mg/L	1
29 September 1992	QP296	ND	0.00035	mg/L	1
30 September 1992	QT307	ND	0.00035	mg/L	1
1 October 1992	SI016	ND	0.00035	mg/L	1
2 October 1992	SI026	ND	0.00035	mg/L	1
6 October 1992	SI065	ND	0.00035	mg/L	1
6 October 1992	SP066	ND	0.00035	mg/L	1
7 October 1992	SI076	ND	0.00035	mg/L	1
7 October 1992	SP076	ND	0.00035	mg/L	1
9 October 1992	SP086	ND	0.00035	mg/L	1
9 October 1992	SI088	ND	0.00035	mg/L	1
12 October 1992	SI126	ND	0.00035	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : Carbon tetrachloride, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.00035	mg/L	1
20 October 1992	SP1914	ND	0.00035	mg/L	1
-----					
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.00035			
Method : SW8010					
Analyte : Carbon tetrachloride					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.00035	mg/L	1
5 August 1992	OJ0418	ND	0.00035	mg/L	1
9 September 1992	QT0819	ND	0.00035	mg/L	1
11 September 1992	QT1019	ND	0.00035	mg/L	1
18 September 1992	QT1717	ND	0.00035	mg/L	1
18 September 1992	QT1718	ND	0.00035	mg/L	1
19 September 1992	QP1814	ND	0.00035	mg/L	1
19 September 1992	QT1820	ND	0.00035	mg/L	1
22 September 1992	QJ2113	ND	0.00035	mg/L	1
24 September 1992	QT2411	ND	0.00035	mg/L	1
28 September 1992	QI287	ND	0.00035	mg/L	1
28 September 1992	QP2811	ND	0.00035	mg/L	1
28 September 1992	QP2813	ND	0.00035	mg/L	1
1 October 1992	QT3020	ND	0.00035	mg/L	1
1 October 1992	QT3019	ND	0.00035	mg/L	1
3 October 1992	SI0220	ND	0.00035	mg/L	1
7 October 1992	SI0617	ND	0.00035	mg/L	1
8 October 1992	SI0717	ND	0.00035	mg/L	1
9 October 1992	SI0815	ND	0.00035	mg/L	1
12 October 1992	SI128	ND	0.00035	mg/L	1
12 October 1992	SI127	ND	0.00035	mg/L	1
-----					
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.00035			
Method : SW8010					
Analyte : Carbon tetrachloride					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.35	ug/L	1
9 September 1992	QT0817	ND	0.35	ug/L	1
17 September 1992	QT1716	ND	0.35	ug/L	1
30 September 1992	QP2913	ND	0.35	ug/L	1
-----					
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.35			

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Carbon tetrachloride					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.35	ug/L	1
9 September 1992	QT0816	ND	0.35	ug/L	1
11 September 1992	QT1018	ND	0.35	ug/L	1
17 September 1992	QT1715	ND	0.35	ug/L	1
30 September 1992	QP2914	ND	0.35	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.35

Method : SW8010					
Analyte : Carbon tetrachloride					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.35	ug/L	1
4 August 1992	OJ049	ND	0.35	ug/L	1
7 August 1992	OT0611	ND	0.35	ug/L	1
7 August 1992	OP0610	ND	0.35	ug/L	1
10 August 1992	OT107	ND	0.35	ug/L	1
10 August 1992	OI108	ND	0.35	ug/L	1
30 August 1992	OI308	ND	0.35	ug/L	1
31 August 1992	OP3112	ND	0.35	ug/L	1
8 September 1992	QT088	ND	0.35	ug/L	1
10 September 1992	QJ106	ND	0.35	ug/L	1
11 September 1992	QT1014	ND	0.35	ug/L	1
15 September 1992	QJ145	ND	0.35	ug/L	1
16 September 1992	QJ167	ND	0.35	ug/L	1
17 September 1992	QT178	ND	0.35	ug/L	1
18 September 1992	QT188	ND	0.35	ug/L	1
18 September 1992	QJ189	ND	0.35	ug/L	1
18 September 1992	QP185	ND	0.35	ug/L	1
21 September 1992	QJ217	ND	0.35	ug/L	1
22 September 1992	QI225	ND	0.35	ug/L	1
23 September 1992	QJ2310	ND	0.35	ug/L	1
23 September 1992	QI234	ND	0.35	ug/L	1
24 September 1992	QT246	ND	0.35	ug/L	1
28 September 1992	QI286	ND	0.35	ug/L	1
28 September 1992	QP287	ND	0.35	ug/L	1
29 September 1992	QP296	ND	0.35	ug/L	1
30 September 1992	QT307	ND	0.35	ug/L	1
1 October 1992	SI016	ND	0.35	ug/L	1
2 October 1992	SI026	ND	0.35	ug/L	1
6 October 1992	SP066	ND	0.35	ug/L	1
6 October 1992	SI065	ND	0.35	ug/L	1
7 October 1992	SI076	ND	0.35	ug/L	1
7 October 1992	SP076	ND	0.35	ug/L	1
9 October 1992	SI088	ND	0.35	ug/L	1
9 October 1992	SP086	ND	0.35	ug/L	1
12 October 1992	SI126	ND	0.35	ug/L	1
16 October 1992	SP167	ND	0.35	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : Carbon tetrachloride, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.35	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.35

Method : SW8010					
Analyte : Carbon tetrachloride					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.35	ug/L	1
5 August 1992	OJ0418	ND	0.35	ug/L	1
9 September 1992	QT0819	ND	0.35	ug/L	1
11 September 1992	QT1019	ND	0.35	ug/L	1
18 September 1992	QT1717	ND	0.35	ug/L	1
18 September 1992	QT1718	ND	0.35	ug/L	1
19 September 1992	QT1820	ND	0.35	ug/L	1
19 September 1992	QP1814	ND	0.35	ug/L	1
22 September 1992	QJ2113	ND	0.35	ug/L	1
24 September 1992	QT2411	ND	0.35	ug/L	1
28 September 1992	QI287	ND	0.35	ug/L	1
28 September 1992	QP2813	ND	0.35	ug/L	1
28 September 1992	QP2811	ND	0.35	ug/L	1
1 October 1992	QT3019	ND	0.35	ug/L	1
1 October 1992	QT3020	ND	0.35	ug/L	1
3 October 1992	SI0220	ND	0.35	ug/L	1
7 October 1992	SI0617	ND	0.35	ug/L	1
8 October 1992	SI0717	ND	0.35	ug/L	1
9 October 1992	SI0815	ND	0.35	ug/L	1
12 October 1992	SI128	ND	0.35	ug/L	1
12 October 1992	SI127	ND	0.35	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.35

Method : SW8010					
Analyte : Chlorobenzene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.0003	mg/L	1
9 September 1992	QT0822	ND	0.0003	mg/L	1
17 September 1992	QT1716	ND	0.0003	mg/L	1
30 September 1992	QP2913	ND	0.0003	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0003



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Chlorobenzene					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.0003	mg/L	1
9 September 1992	QT0816	ND	0.0003	mg/L	1
11 September 1992	QT1018	ND	0.0003	mg/L	1
17 September 1992	QT1715	ND	0.0003	mg/L	1
30 September 1992	QP2914	ND	0.0003	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0003

Method : SW8010					
Analyte : Chlorobenzene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0003	mg/L	1
4 August 1992	OJ049	ND	0.0003	mg/L	1
7 August 1992	OP0610	ND	0.0003	mg/L	1
7 August 1992	OT0611	ND	0.0003	mg/L	1
10 August 1992	OI108	ND	0.0003	mg/L	1
10 August 1992	OT107	ND	0.0003	mg/L	1
30 August 1992	OI308	ND	0.0003	mg/L	1
31 August 1992	OP3112	ND	0.0003	mg/L	1
8 September 1992	QT088	ND	0.0003	mg/L	1
10 September 1992	QJ106	ND	0.0003	mg/L	1
11 September 1992	QT1014	ND	0.0003	mg/L	1
15 September 1992	QJ145	ND	0.0003	mg/L	1
16 September 1992	QJ167	ND	0.0003	mg/L	1
17 September 1992	QT178	ND	0.0003	mg/L	1
18 September 1992	QJ189	ND	0.0003	mg/L	1
18 September 1992	QT188	ND	0.0003	mg/L	1
18 September 1992	QP185	ND	0.0003	mg/L	1
21 September 1992	QJ217	ND	0.0003	mg/L	1
22 September 1992	QI225	ND	0.0003	mg/L	1
23 September 1992	QJ2310	ND	0.0003	mg/L	1
23 September 1992	QI234	ND	0.0003	mg/L	1
24 September 1992	QT246	ND	0.0003	mg/L	1
28 September 1992	QI286	ND	0.0003	mg/L	1
28 September 1992	QP287	ND	0.0003	mg/L	1
29 September 1992	QP296	ND	0.0003	mg/L	1
30 September 1992	QT307	ND	0.0003	mg/L	1
1 October 1992	SI016	ND	0.0003	mg/L	1
2 October 1992	SI026	ND	0.0003	mg/L	1
6 October 1992	SI065	ND	0.0003	mg/L	1
6 October 1992	SP066	ND	0.0003	mg/L	1
7 October 1992	SI076	ND	0.0003	mg/L	1
7 October 1992	SP076	ND	0.0003	mg/L	1
9 October 1992	SP086	ND	0.0003	mg/L	1
9 October 1992	SI088	ND	0.0003	mg/L	1
12 October 1992	SI126	ND	0.0003	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Chlorobenzene, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0003	mg/L	1
20 October 1992	SP1914	ND	0.0003	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0003

Method : SW8010					
Analyte : Chlorobenzene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0003	mg/L	1
5 August 1992	OJ0418	ND	0.0003	mg/L	1
9 September 1992	QT0819	ND	0.0003	mg/L	1
11 September 1992	QT1019	ND	0.0003	mg/L	1
18 September 1992	QT1718	ND	0.0003	mg/L	1
18 September 1992	QT1717	ND	0.0003	mg/L	1
19 September 1992	QT1820	ND	0.0003	mg/L	1
19 September 1992	QP1814	ND	0.0003	mg/L	1
22 September 1992	QJ2113	ND	0.0003	mg/L	1
24 September 1992	QT2411	ND	0.0003	mg/L	1
28 September 1992	QI287	ND	0.0003	mg/L	1
28 September 1992	QP2813	ND	0.0003	mg/L	1
28 September 1992	QP2811	ND	0.0003	mg/L	1
1 October 1992	QT3019	ND	0.0003	mg/L	1
1 October 1992	QT3020	ND	0.0003	mg/L	1
3 October 1992	SI0220	ND	0.0003	mg/L	1
7 October 1992	SI0617	ND	0.0003	mg/L	1
8 October 1992	SI0717	ND	0.0003	mg/L	1
9 October 1992	SI0815	ND	0.0003	mg/L	1
12 October 1992	SI128	ND	0.0003	mg/L	1
12 October 1992	SI127	ND	0.0003	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0003

Method : SW8010					
Analyte : Chlorobenzene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.3	ug/L	1
9 September 1992	QT0822	ND	0.3	ug/L	1
17 September 1992	QT1716	ND	0.3	ug/L	1
30 September 1992	QP2913	ND	0.3	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.3

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Chlorobenzene					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.3	ug/L	1
9 September 1992	QT0816	ND	0.3	ug/L	1
11 September 1992	QT1018	ND	0.3	ug/L	1
17 September 1992	QT1715	ND	0.3	ug/L	1
30 September 1992	QP2914	ND	0.3	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.3

Method : SW8010					
Analyte : Chlorobenzene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.3	ug/L	1
4 August 1992	OJ049	ND	0.3	ug/L	1
7 August 1992	OT0611	ND	0.3	ug/L	1
7 August 1992	OP0610	ND	0.3	ug/L	1
10 August 1992	OT107	ND	0.3	ug/L	1
10 August 1992	OI108	ND	0.3	ug/L	1
30 August 1992	OI308	ND	0.3	ug/L	1
31 August 1992	OP3112	ND	0.3	ug/L	1
8 September 1992	QT088	ND	0.3	ug/L	1
10 September 1992	QJ106	ND	0.3	ug/L	1
11 September 1992	QT1014	ND	0.3	ug/L	1
15 September 1992	QJ145	ND	0.3	ug/L	1
16 September 1992	QJ167	ND	0.3	ug/L	1
17 September 1992	QT178	ND	0.3	ug/L	1
18 September 1992	QJ189	ND	0.3	ug/L	1
18 September 1992	QT188	ND	0.3	ug/L	1
18 September 1992	QP185	ND	0.3	ug/L	1
21 September 1992	QJ217	ND	0.3	ug/L	1
22 September 1992	QI225	ND	0.3	ug/L	1
23 September 1992	QJ2310	ND	0.3	ug/L	1
23 September 1992	QI234	ND	0.3	ug/L	1
24 September 1992	QT246	ND	0.3	ug/L	1
28 September 1992	QI286	ND	0.3	ug/L	1
28 September 1992	QP287	ND	0.3	ug/L	1
29 September 1992	QP296	ND	0.3	ug/L	1
30 September 1992	QT307	ND	0.3	ug/L	1
1 October 1992	SI016	ND	0.3	ug/L	1
2 October 1992	SI026	ND	0.3	ug/L	1
6 October 1992	SP066	ND	0.3	ug/L	1
6 October 1992	SI065	ND	0.3	ug/L	1
7 October 1992	SI076	ND	0.3	ug/L	1
7 October 1992	SP076	ND	0.3	ug/L	1
9 October 1992	SI088	ND	0.3	ug/L	1
9 October 1992	SP086	ND	0.3	ug/L	1
12 October 1992	SI126	ND	0.3	ug/L	1
16 October 1992	SP167	ND	0.3	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : Chlorobenzene, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.3	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.3

Method : SW8010					
Analyte : Chlorobenzene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.3	ug/L	1
5 August 1992	OJ0418	ND	0.3	ug/L	1
9 September 1992	QT0819	ND	0.3	ug/L	1
11 September 1992	QT1019	ND	0.3	ug/L	1
18 September 1992	QT1718	ND	0.3	ug/L	1
18 September 1992	QT1717	ND	0.3	ug/L	1
19 September 1992	QT1820	ND	0.3	ug/L	1
19 September 1992	QP1814	ND	0.3	ug/L	1
22 September 1992	QJ2113	ND	0.3	ug/L	1
24 September 1992	QT2411	ND	0.3	ug/L	1
28 September 1992	QI287	ND	0.3	ug/L	1
28 September 1992	QP2811	ND	0.3	ug/L	1
28 September 1992	QP2813	ND	0.3	ug/L	1
1 October 1992	QT3020	ND	0.3	ug/L	1
1 October 1992	QT3019	ND	0.3	ug/L	1
3 October 1992	SI0220	ND	0.3	ug/L	1
7 October 1992	SI0617	ND	0.3	ug/L	1
8 October 1992	SI0717	ND	0.3	ug/L	1
9 October 1992	SI0815	ND	0.3	ug/L	1
12 October 1992	SI128	ND	0.3	ug/L	1
12 October 1992	SI127	ND	0.3	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.3

Method : SW8010					
Analyte : Chloroethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.0007	mg/L	1
9 September 1992	QT0822	ND	0.0007	mg/L	1
17 September 1992	QT1716	ND	0.0007	mg/L	1
30 September 1992	QP2913	ND	0.0007	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0007

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : Chloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.0007	mg/L	1
9 September 1992	QT0816	ND	0.0007	mg/L	1
11 September 1992	QT1018	ND	0.0007	mg/L	1
17 September 1992	QT1715	ND	0.0007	mg/L	1
30 September 1992	QP2914	ND	0.0007	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0007

Method : SW8010					
Analyte : Chloroethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0007	mg/L	1
4 August 1992	OJ049	ND	0.0007	mg/L	1
7 August 1992	OP0610	ND	0.0007	mg/L	1
7 August 1992	OT0611	ND	0.0007	mg/L	1
10 August 1992	OI108	ND	0.0007	mg/L	1
10 August 1992	OT107	ND	0.0007	mg/L	1
30 August 1992	OI308	ND	0.0007	mg/L	1
31 August 1992	OP3112	ND	0.0007	mg/L	1
8 September 1992	QT088	ND	0.0007	mg/L	1
10 September 1992	QJ106	ND	0.0007	mg/L	1
11 September 1992	QT1014	ND	0.0007	mg/L	1
15 September 1992	QJ145	ND	0.0007	mg/L	1
16 September 1992	QJ167	ND	0.0007	mg/L	1
17 September 1992	QT178	ND	0.0007	mg/L	1
18 September 1992	QT188	ND	0.0007	mg/L	1
18 September 1992	QJ189	ND	0.0007	mg/L	1
18 September 1992	QP185	ND	0.0007	mg/L	1
21 September 1992	QJ217	ND	0.0007	mg/L	1
22 September 1992	QI225	ND	0.0007	mg/L	1
23 September 1992	QJ2310	ND	0.0007	mg/L	1
23 September 1992	QI234	ND	0.0007	mg/L	1
24 September 1992	QT246	ND	0.0007	mg/L	1
28 September 1992	QI286	ND	0.0007	mg/L	1
28 September 1992	QP287	ND	0.0007	mg/L	1
29 September 1992	QP296	ND	0.0007	mg/L	1
30 September 1992	QT307	ND	0.0007	mg/L	1
1 October 1992	SI016	ND	0.0007	mg/L	1
2 October 1992	SI026	ND	0.0007	mg/L	1
6 October 1992	SI065	ND	0.0007	mg/L	1
6 October 1992	SP066	ND	0.0007	mg/L	1
7 October 1992	SP076	ND	0.0007	mg/L	1
7 October 1992	SI076	ND	0.0007	mg/L	1
9 October 1992	SI088	ND	0.0007	mg/L	1
9 October 1992	SP086	ND	0.0007	mg/L	1
12 October 1992	SI126	ND	0.0007	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Chloroethane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0007	mg/L	1
20 October 1992	SP1914	ND	0.0007	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0007

Method : SW8010					
Analyte : Chloroethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0007	mg/L	1
5 August 1992	OJ0418	ND	0.0007	mg/L	1
9 September 1992	QT0819	ND	0.0007	mg/L	1
11 September 1992	QT1019	ND	0.0007	mg/L	1
18 September 1992	QT1717	ND	0.0007	mg/L	1
18 September 1992	QT1718	ND	0.0007	mg/L	1
19 September 1992	QT1820	ND	0.0007	mg/L	1
19 September 1992	QP1814	ND	0.0007	mg/L	1
22 September 1992	QJ2113	ND	0.0007	mg/L	1
24 September 1992	QT2411	ND	0.0007	mg/L	1
28 September 1992	QI287	ND	0.0007	mg/L	1
28 September 1992	QP2813	ND	0.0007	mg/L	1
28 September 1992	QP2811	ND	0.0007	mg/L	1
1 October 1992	QT3020	ND	0.0007	mg/L	1
1 October 1992	QT3019	ND	0.0007	mg/L	1
3 October 1992	SI0220	ND	0.0007	mg/L	1
7 October 1992	SI0617	ND	0.0007	mg/L	1
8 October 1992	SI0717	ND	0.0007	mg/L	1
9 October 1992	SI0815	ND	0.0007	mg/L	1
12 October 1992	SI128	ND	0.0007	mg/L	1
12 October 1992	SI127	ND	0.0007	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0007

Method : SW8010					
Analyte : Chloroethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.7	ug/L	1
9 September 1992	QT0822	ND	0.7	ug/L	1
17 September 1992	QT1716	ND	0.7	ug/L	1
30 September 1992	QP2913	ND	0.7	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.7

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Chloroethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.7	ug/L	1
9 September 1992	QT0816	ND	0.7	ug/L	1
11 September 1992	QT1018	ND	0.7	ug/L	1
17 September 1992	QT1715	ND	0.7	ug/L	1
30 September 1992	QP2914	ND	0.7	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.7

Method : SW8010					
Analyte : Chloroethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.7	ug/L	1
4 August 1992	OJ049	ND	0.7	ug/L	1
7 August 1992	OT0611	ND	0.7	ug/L	1
7 August 1992	OP0610	ND	0.7	ug/L	1
10 August 1992	OI108	ND	0.7	ug/L	1
10 August 1992	OT107	ND	0.7	ug/L	1
30 August 1992	OI308	ND	0.7	ug/L	1
31 August 1992	OP3112	ND	0.7	ug/L	1
8 September 1992	QT088	ND	0.7	ug/L	1
10 September 1992	QJ106	ND	0.7	ug/L	1
11 September 1992	QT1014	ND	0.7	ug/L	1
15 September 1992	QJ145	ND	0.7	ug/L	1
16 September 1992	QJ167	ND	0.7	ug/L	1
17 September 1992	QT178	ND	0.7	ug/L	1
18 September 1992	QJ189	ND	0.7	ug/L	1
18 September 1992	QT188	ND	0.7	ug/L	1
18 September 1992	QP185	ND	0.7	ug/L	1
21 September 1992	QJ217	ND	0.7	ug/L	1
22 September 1992	QI225	ND	0.7	ug/L	1
23 September 1992	QJ2310	ND	0.7	ug/L	1
23 September 1992	QI234	ND	0.7	ug/L	1
24 September 1992	QT246	ND	0.7	ug/L	1
28 September 1992	QI286	ND	0.7	ug/L	1
28 September 1992	QP287	ND	0.7	ug/L	1
29 September 1992	QP296	ND	0.7	ug/L	1
30 September 1992	QT307	ND	0.7	ug/L	1
1 October 1992	SI016	ND	0.7	ug/L	1
2 October 1992	SI026	ND	0.7	ug/L	1
6 October 1992	SI065	ND	0.7	ug/L	1
6 October 1992	SP066	ND	0.7	ug/L	1
7 October 1992	SP076	ND	0.7	ug/L	1
7 October 1992	SI076	ND	0.7	ug/L	1
9 October 1992	SI088	ND	0.7	ug/L	1
9 October 1992	SP086	ND	0.7	ug/L	1
12 October 1992	SI126	ND	0.7	ug/L	1
16 October 1992	SP167	ND	0.7	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : Chloroethane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.7	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.7

Method : SW8010					
Analyte : Chloroethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.7	ug/L	1
5 August 1992	OJ0418	ND	0.7	ug/L	1
9 September 1992	QT0819	ND	0.7	ug/L	1
11 September 1992	QT1019	ND	0.7	ug/L	1
18 September 1992	QT1717	ND	0.7	ug/L	1
18 September 1992	QT1718	ND	0.7	ug/L	1
19 September 1992	QP1814	ND	0.7	ug/L	1
19 September 1992	QT1820	ND	0.7	ug/L	1
22 September 1992	QJ2113	ND	0.7	ug/L	1
24 September 1992	QT2411	ND	0.7	ug/L	1
28 September 1992	QI287	ND	0.7	ug/L	1
28 September 1992	QP2813	ND	0.7	ug/L	1
28 September 1992	QP2811	ND	0.7	ug/L	1
1 October 1992	QT3019	ND	0.7	ug/L	1
1 October 1992	QT3020	ND	0.7	ug/L	1
3 October 1992	SI0220	ND	0.7	ug/L	1
7 October 1992	SI0617	ND	0.7	ug/L	1
8 October 1992	SI0717	ND	0.7	ug/L	1
9 October 1992	SI0815	ND	0.7	ug/L	1
12 October 1992	SI128	ND	0.7	ug/L	1
12 October 1992	SI127	ND	0.7	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.7

Method : SW8010					
Analyte : Chloroform					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	0.00044	0.00015	mg/L	1
9 September 1992	QT0817	0.00054	0.00015	mg/L	1
17 September 1992	QT1716	0.00058	0.00015	mg/L	1
30 September 1992	QP2913	ND	0.00015	mg/L	1

Total Number of Blanks = 4

Concentration Range 0.00044 - 0.00058

Total Number above Reporting Limit = 3

Maximum Reporting Limit = 0.00015



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Chloroform					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	0.00043	0.00015	mg/L	1
9 September 1992	QT0816	0.00047	0.00015	mg/L	1
11 September 1992	QT1018	0.0007	0.00015	mg/L	1
17 September 1992	QT1715	ND	0.00015	mg/L	1
30 September 1992	QP2914	ND	0.00015	mg/L	1

Total Number of Blanks = 5

Concentration Range 0.00043 - 0.00070

Total Number above Reporting Limit = 3

Maximum Reporting Limit = 0.00015

Method : SW8010					
Analyte : Chloroform					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.00015	mg/L	1
4 August 1992	OJ049	ND	0.00015	mg/L	1
7 August 1992	OT0611	ND	0.00015	mg/L	1
7 August 1992	OP0610	ND	0.00015	mg/L	1
10 August 1992	OI108	ND	0.00015	mg/L	1
10 August 1992	OT107	ND	0.00015	mg/L	1
30 August 1992	OI308	ND	0.00015	mg/L	1
31 August 1992	OP3112	ND	0.00015	mg/L	1
8 September 1992	QT088	ND	0.00015	mg/L	1
10 September 1992	QJ106	ND	0.00015	mg/L	1
11 September 1992	QT1014	ND	0.00015	mg/L	1
15 September 1992	QJ145	ND	0.00015	mg/L	1
16 September 1992	QJ167	ND	0.00015	mg/L	1
17 September 1992	QT178	ND	0.00015	mg/L	1
18 September 1992	QT188	ND	0.00015	mg/L	1
18 September 1992	QJ189	ND	0.00015	mg/L	1
18 September 1992	QP185	ND	0.00015	mg/L	1
21 September 1992	QJ217	ND	0.00015	mg/L	1
22 September 1992	QI225	ND	0.00015	mg/L	1
23 September 1992	QJ2310	ND	0.00015	mg/L	1
23 September 1992	QI234	ND	0.00015	mg/L	1
24 September 1992	QT246	ND	0.00015	mg/L	1
28 September 1992	QI286	ND	0.00015	mg/L	1
28 September 1992	QP287	ND	0.00015	mg/L	1
29 September 1992	QP296	ND	0.00015	mg/L	1
30 September 1992	QT307	ND	0.00015	mg/L	1
1 October 1992	SI016	ND	0.00015	mg/L	1
2 October 1992	SI026	ND	0.00015	mg/L	1
6 October 1992	SI065	ND	0.00015	mg/L	1
6 October 1992	SP066	ND	0.00015	mg/L	1
7 October 1992	SP076	ND	0.00015	mg/L	1
7 October 1992	SI076	ND	0.00015	mg/L	1
9 October 1992	SI088	ND	0.00015	mg/L	1
9 October 1992	SP086	ND	0.00015	mg/L	1
12 October 1992	SI126	ND	0.00015	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : Chloroform, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.00015	mg/L	1
20 October 1992	SP1914	ND	0.00015	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00015

Method : SW8010					
Analyte : Chloroform					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.00015	mg/L	1
5 August 1992	OJ0418	ND	0.00015	mg/L	1
9 September 1992	QT0819	ND	0.00015	mg/L	1
11 September 1992	QT1019	ND	0.00015	mg/L	1
18 September 1992	QT1717	ND	0.00015	mg/L	1
18 September 1992	QT1718	ND	0.00015	mg/L	1
19 September 1992	QP1814	ND	0.00015	mg/L	1
22 September 1992	QJ2111	ND	0.00015	mg/L	1
22 September 1992	QJ2113	ND	0.00015	mg/L	1
24 September 1992	QT2411	ND	0.00015	mg/L	1
28 September 1992	QI287	ND	0.00015	mg/L	1
28 September 1992	QP2813	ND	0.00015	mg/L	1
28 September 1992	QP2811	ND	0.00015	mg/L	1
1 October 1992	QT3020	ND	0.00015	mg/L	1
1 October 1992	QT3019	ND	0.00015	mg/L	1
3 October 1992	SI0220	ND	0.00015	mg/L	1
7 October 1992	SI0617	ND	0.00015	mg/L	1
8 October 1992	SI0717	ND	0.00015	mg/L	1
9 October 1992	SI0815	ND	0.00015	mg/L	1
12 October 1992	SI128	ND	0.00015	mg/L	1
12 October 1992	SI127	ND	0.00015	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00015

Method : SW8010					
Analyte : Chloroform					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	0.44	0.15	ug/L	1
9 September 1992	QT0817	0.54	0.15	ug/L	1
17 September 1992	QT1716	0.58	0.15	ug/L	1
30 September 1992	QP2913	ND	0.15	ug/L	1

Total Number of Blanks = 4

Concentration Range 0.44 - 0.58

Total Number above Reporting Limit = 3

Maximum Reporting Limit = 0.15

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Chloroform					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	0.43	0.15	ug/L	1
9 September 1992	QT0816	0.47	0.15	ug/L	1
11 September 1992	QT1018	0.7	0.15	ug/L	1
17 September 1992	QT1715	ND	0.15	ug/L	1
30 September 1992	QP2914	ND	0.15	ug/L	1

Total Number of Blanks = 5

Concentration Range 0.43 - 0.70

Total Number above Reporting Limit = 3

Maximum Reporting Limit = 0.15

Method : SW8010					
Analyte : Chloroform					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.15	ug/L	1
4 August 1992	OJ049	ND	0.15	ug/L	1
7 August 1992	OP0610	ND	0.15	ug/L	1
7 August 1992	OT0611	ND	0.15	ug/L	1
10 August 1992	OT107	ND	0.15	ug/L	1
10 August 1992	OI108	ND	0.15	ug/L	1
30 August 1992	OI308	ND	0.15	ug/L	1
31 August 1992	OP3112	ND	0.15	ug/L	1
8 September 1992	QT088	ND	0.15	ug/L	1
10 September 1992	QJ106	ND	0.15	ug/L	1
11 September 1992	QT1014	ND	0.15	ug/L	1
15 September 1992	QJ145	ND	0.15	ug/L	1
16 September 1992	QJ167	ND	0.15	ug/L	1
17 September 1992	QT178	ND	0.15	ug/L	1
18 September 1992	QT188	ND	0.15	ug/L	1
18 September 1992	QJ189	ND	0.15	ug/L	1
18 September 1992	QP185	ND	0.15	ug/L	1
21 September 1992	QJ217	ND	0.15	ug/L	1
22 September 1992	QI225	ND	0.15	ug/L	1
23 September 1992	QJ2310	ND	0.15	ug/L	1
23 September 1992	QI234	ND	0.15	ug/L	1
24 September 1992	QT246	ND	0.15	ug/L	1
28 September 1992	QI286	ND	0.15	ug/L	1
28 September 1992	QP287	ND	0.15	ug/L	1
29 September 1992	QP296	ND	0.15	ug/L	1
30 September 1992	QT307	ND	0.15	ug/L	1
1 October 1992	SI016	ND	0.15	ug/L	1
2 October 1992	SI026	ND	0.15	ug/L	1
6 October 1992	SI065	ND	0.15	ug/L	1
6 October 1992	SP066	ND	0.15	ug/L	1
7 October 1992	SI076	ND	0.15	ug/L	1
7 October 1992	SP076	ND	0.15	ug/L	1
9 October 1992	SI088	ND	0.15	ug/L	1
9 October 1992	SP086	ND	0.15	ug/L	1
12 October 1992	SI126	ND	0.15	ug/L	1
16 October 1992	SP167	ND	0.15	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Chloroform, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.15	ug/L	1
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.15			
Method : SW8010					
Analyte : Chloroform					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.15	ug/L	1
5 August 1992	OJ0418	ND	0.15	ug/L	1
9 September 1992	QT0819	ND	0.15	ug/L	1
11 September 1992	QT1019	ND	0.15	ug/L	1
18 September 1992	QT1718	ND	0.15	ug/L	1
18 September 1992	QT1717	ND	0.15	ug/L	1
19 September 1992	QP1814	ND	0.15	ug/L	1
22 September 1992	QJ2113	ND	0.15	ug/L	1
22 September 1992	QJ2111	ND	0.15	ug/L	1
24 September 1992	QT2411	ND	0.15	ug/L	1
28 September 1992	QI287	ND	0.15	ug/L	1
28 September 1992	QP2813	ND	0.15	ug/L	1
28 September 1992	QP2811	ND	0.15	ug/L	1
1 October 1992	QT3019	ND	0.15	ug/L	1
1 October 1992	QT3020	ND	0.15	ug/L	1
3 October 1992	SI0220	ND	0.15	ug/L	1
7 October 1992	SI0617	ND	0.15	ug/L	1
8 October 1992	SI0717	ND	0.15	ug/L	1
9 October 1992	SI0815	ND	0.15	ug/L	1
12 October 1992	SI128	ND	0.15	ug/L	1
12 October 1992	SI127	ND	0.15	ug/L	1
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.15			
Method : SW8010					
Analyte : Chloromethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.0005	mg/L	1
9 September 1992	QT0822	ND	0.0005	mg/L	1
17 September 1992	QT1716	ND	0.0005	mg/L	1
30 September 1992	QP2913	ND	0.0005	mg/L	1
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0005			

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Chloromethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.0005	mg/L	1
10 September 1992	QJ1012	ND	0.0005	mg/L	1
11 September 1992	QT1018	ND	0.0005	mg/L	1
17 September 1992	QT1715	ND	0.0005	mg/L	1
30 September 1992	QP2914	ND	0.0005	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0005

Method : SW8010					
Analyte : Chloromethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0005	mg/L	1
4 August 1992	OJ049	ND	0.0005	mg/L	1
7 August 1992	OT0611	ND	0.0005	mg/L	1
7 August 1992	OP0610	ND	0.0005	mg/L	1
10 August 1992	OT107	ND	0.0005	mg/L	1
10 August 1992	OI108	ND	0.0005	mg/L	1
30 August 1992	OI308	ND	0.0005	mg/L	1
31 August 1992	OP3112	ND	0.0005	mg/L	1
8 September 1992	QT088	ND	0.0005	mg/L	1
10 September 1992	QJ106	ND	0.0005	mg/L	1
11 September 1992	QT1014	ND	0.0005	mg/L	1
15 September 1992	QJ145	ND	0.0005	mg/L	1
16 September 1992	QJ167	ND	0.0005	mg/L	1
17 September 1992	QT178	ND	0.0005	mg/L	1
18 September 1992	QT188	ND	0.0005	mg/L	1
18 September 1992	QJ189	ND	0.0005	mg/L	1
18 September 1992	QP185	ND	0.0005	mg/L	1
21 September 1992	QJ217	ND	0.0005	mg/L	1
22 September 1992	QI225	ND	0.0005	mg/L	1
23 September 1992	QJ2310	ND	0.0005	mg/L	1
23 September 1992	QI234	ND	0.0005	mg/L	1
24 September 1992	QT246	ND	0.0005	mg/L	1
28 September 1992	QI286	ND	0.0005	mg/L	1
28 September 1992	QP287	ND	0.0005	mg/L	1
29 September 1992	QP296	ND	0.0005	mg/L	1
30 September 1992	QT307	ND	0.0005	mg/L	1
1 October 1992	SI016	ND	0.0005	mg/L	1
2 October 1992	SI026	ND	0.0005	mg/L	1
6 October 1992	SP066	ND	0.0005	mg/L	1
6 October 1992	SI065	ND	0.0005	mg/L	1
7 October 1992	SI076	ND	0.0005	mg/L	1
7 October 1992	SP076	ND	0.0005	mg/L	1
9 October 1992	SI088	ND	0.0005	mg/L	1
9 October 1992	SP086	ND	0.0005	mg/L	1
12 October 1992	SI126	ND	0.0005	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Chloromethane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0005	mg/L	1
20 October 1992	SP1914	ND	0.0005	mg/L	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.0005

Method : SW8010					
Analyte : Chloromethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0005	mg/L	1
5 August 1992	OJ0418	ND	0.0005	mg/L	1
9 September 1992	QT0819	ND	0.0005	mg/L	1
11 September 1992	QT1019	ND	0.0005	mg/L	1
18 September 1992	QT1717	ND	0.0005	mg/L	1
18 September 1992	QT1718	ND	0.0005	mg/L	1
19 September 1992	QP1814	ND	0.0005	mg/L	1
19 September 1992	QT1820	ND	0.0005	mg/L	1
22 September 1992	QJ2113	ND	0.0005	mg/L	1
24 September 1992	QT2411	ND	0.0005	mg/L	1
28 September 1992	QI287	ND	0.0005	mg/L	1
28 September 1992	QP2813	ND	0.0005	mg/L	1
28 September 1992	QP2811	ND	0.0005	mg/L	1
1 October 1992	QT3020	ND	0.0005	mg/L	1
1 October 1992	QT3019	ND	0.0005	mg/L	1
3 October 1992	SI0220	ND	0.0005	mg/L	1
7 October 1992	SI0617	ND	0.0005	mg/L	1
8 October 1992	SI0717	ND	0.0005	mg/L	1
9 October 1992	SI0815	ND	0.0005	mg/L	1
12 October 1992	SI128	ND	0.0005	mg/L	1
12 October 1992	SI127	ND	0.0005	mg/L	1

Total Number of Blanks = 21

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.0005

Method : SW8010					
Analyte : Chloromethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.5	ug/L	1
9 September 1992	QT0822	ND	0.5	ug/L	1
17 September 1992	QT1716	ND	0.5	ug/L	1
30 September 1992	QP2913	ND	0.5	ug/L	1

Total Number of Blanks = 4

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.5

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Chloromethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.5	ug/L	1
10 September 1992	QJ1012	ND	0.5	ug/L	1
11 September 1992	QT1018	ND	0.5	ug/L	1
17 September 1992	QT1715	ND	0.5	ug/L	1
30 September 1992	QP2914	ND	0.5	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.5

Method : SW8010					
Analyte : Chloromethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.5	ug/L	1
4 August 1992	OJ049	ND	0.5	ug/L	1
7 August 1992	OP0610	ND	0.5	ug/L	1
7 August 1992	OT0611	ND	0.5	ug/L	1
10 August 1992	OT107	ND	0.5	ug/L	1
10 August 1992	OI108	ND	0.5	ug/L	1
30 August 1992	OI308	ND	0.5	ug/L	1
31 August 1992	OP3112	ND	0.5	ug/L	1
8 September 1992	QT088	ND	0.5	ug/L	1
10 September 1992	QJ106	ND	0.5	ug/L	1
11 September 1992	QT1014	ND	0.5	ug/L	1
15 September 1992	QJ145	ND	0.5	ug/L	1
16 September 1992	QJ167	ND	0.5	ug/L	1
17 September 1992	QT178	ND	0.5	ug/L	1
18 September 1992	QT188	ND	0.5	ug/L	1
18 September 1992	QJ189	ND	0.5	ug/L	1
18 September 1992	QP185	ND	0.5	ug/L	1
21 September 1992	QJ217	ND	0.5	ug/L	1
22 September 1992	QI225	ND	0.5	ug/L	1
23 September 1992	QJ2310	ND	0.5	ug/L	1
23 September 1992	QI234	ND	0.5	ug/L	1
24 September 1992	QT246	ND	0.5	ug/L	1
28 September 1992	QI286	ND	0.5	ug/L	1
28 September 1992	QP287	ND	0.5	ug/L	1
29 September 1992	QP296	ND	0.5	ug/L	1
30 September 1992	QT307	ND	0.5	ug/L	1
1 October 1992	SI016	ND	0.5	ug/L	1
2 October 1992	SI026	ND	0.5	ug/L	1
6 October 1992	SI065	ND	0.5	ug/L	1
6 October 1992	SP066	ND	0.5	ug/L	1
7 October 1992	SP076	ND	0.5	ug/L	1
7 October 1992	SI076	ND	0.5	ug/L	1
9 October 1992	SP086	ND	0.5	ug/L	1
9 October 1992	SI088	ND	0.5	ug/L	1
12 October 1992	SI126	ND	0.5	ug/L	1
16 October 1992	SP167	ND	0.5	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Chloromethane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.5	ug/L	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.5

Method : SW8010					
Analyte : Chloromethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.5	ug/L	1
5 August 1992	OJ0418	ND	0.5	ug/L	1
9 September 1992	QT0819	ND	0.5	ug/L	1
11 September 1992	QT1019	ND	0.5	ug/L	1
18 September 1992	QT1717	ND	0.5	ug/L	1
18 September 1992	QT1718	ND	0.5	ug/L	1
19 September 1992	QP1814	ND	0.5	ug/L	1
19 September 1992	QT1820	ND	0.5	ug/L	1
22 September 1992	QJ2113	ND	0.5	ug/L	1
24 September 1992	QT2411	ND	0.5	ug/L	1
28 September 1992	QI287	ND	0.5	ug/L	1
28 September 1992	QP2813	ND	0.5	ug/L	1
28 September 1992	QP2811	ND	0.5	ug/L	1
1 October 1992	QT3019	ND	0.5	ug/L	1
1 October 1992	QT3020	ND	0.5	ug/L	1
3 October 1992	S10220	ND	0.5	ug/L	1
7 October 1992	S10617	ND	0.5	ug/L	1
8 October 1992	S10717	ND	0.5	ug/L	1
9 October 1992	S10815	ND	0.5	ug/L	1
12 October 1992	S1128	ND	0.5	ug/L	1
12 October 1992	S1127	ND	0.5	ug/L	1

Total Number of Blanks = 21

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.5

Method : SW8010					
Analyte : Dibromochloromethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.0002	mg/L	1
9 September 1992	QT0817	ND	0.0002	mg/L	1
17 September 1992	QT1716	ND	0.0002	mg/L	1
30 September 1992	QP2913	ND	0.0002	mg/L	1

Total Number of Blanks = 4

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.0002



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Dibromochloromethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.0002	mg/L	1
9 September 1992	QT0816	ND	0.0002	mg/L	1
11 September 1992	QT1018	ND	0.0002	mg/L	1
17 September 1992	QT1715	ND	0.0002	mg/L	1
30 September 1992	QP2914	ND	0.0002	mg/L	1
Total Number of Blanks = 5			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0002		
Method : SW8010					
Analyte : Dibromochloromethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0002	mg/L	1
4 August 1992	OJ049	ND	0.0002	mg/L	1
7 August 1992	OP0610	ND	0.0002	mg/L	1
7 August 1992	OT0611	ND	0.0002	mg/L	1
10 August 1992	OT107	ND	0.0002	mg/L	1
10 August 1992	OI108	ND	0.0002	mg/L	1
30 August 1992	OI308	ND	0.0002	mg/L	1
31 August 1992	OP3112	ND	0.0002	mg/L	1
8 September 1992	QT088	ND	0.0002	mg/L	1
10 September 1992	QJ106	ND	0.0002	mg/L	1
11 September 1992	QT1014	ND	0.0002	mg/L	1
15 September 1992	QJ145	ND	0.0002	mg/L	1
16 September 1992	QJ167	ND	0.0002	mg/L	1
17 September 1992	QT178	ND	0.0002	mg/L	1
18 September 1992	QT188	ND	0.0002	mg/L	1
18 September 1992	QJ189	ND	0.0002	mg/L	1
18 September 1992	QP185	ND	0.0002	mg/L	1
21 September 1992	QJ217	ND	0.0002	mg/L	1
22 September 1992	QI225	ND	0.0002	mg/L	1
23 September 1992	QJ2310	ND	0.0002	mg/L	1
23 September 1992	QI234	ND	0.0002	mg/L	1
24 September 1992	QT246	ND	0.0002	mg/L	1
28 September 1992	QI286	ND	0.0002	mg/L	1
28 September 1992	QP287	ND	0.0002	mg/L	1
29 September 1992	QP296	ND	0.0002	mg/L	1
30 September 1992	QT307	ND	0.0002	mg/L	1
1 October 1992	SI016	ND	0.0002	mg/L	1
2 October 1992	SI026	ND	0.0002	mg/L	1
6 October 1992	SP066	ND	0.0002	mg/L	1
6 October 1992	SI065	ND	0.0002	mg/L	1
7 October 1992	SI076	ND	0.0002	mg/L	1
7 October 1992	SP076	ND	0.0002	mg/L	1
9 October 1992	SI088	ND	0.0002	mg/L	1
9 October 1992	SP086	ND	0.0002	mg/L	1
12 October 1992	SI126	ND	0.0002	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Dibromochloromethane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0002	mg/L	1
20 October 1992	SP1914	ND	0.0002	mg/L	1
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0002			
Method : SW8010					
Analyte : Dibromochloromethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0002	mg/L	1
5 August 1992	OJ0418	ND	0.0002	mg/L	1
9 September 1992	QT0819	ND	0.0002	mg/L	1
11 September 1992	QT1019	ND	0.0002	mg/L	1
18 September 1992	QT1717	ND	0.0002	mg/L	1
18 September 1992	QT1718	ND	0.0002	mg/L	1
19 September 1992	QP1814	ND	0.0002	mg/L	1
19 September 1992	QT1820	ND	0.0002	mg/L	1
22 September 1992	QJ2113	ND	0.0002	mg/L	1
24 September 1992	QT2411	ND	0.0002	mg/L	1
28 September 1992	QI287	ND	0.0002	mg/L	1
28 September 1992	QP2813	ND	0.0002	mg/L	1
28 September 1992	QP2811	ND	0.0002	mg/L	1
1 October 1992	QT3019	ND	0.0002	mg/L	1
1 October 1992	QT3020	ND	0.0002	mg/L	1
3 October 1992	SI0220	ND	0.0002	mg/L	1
7 October 1992	SI0617	ND	0.0002	mg/L	1
8 October 1992	SI0717	ND	0.0002	mg/L	1
9 October 1992	SI0815	ND	0.0002	mg/L	1
12 October 1992	SI128	ND	0.0002	mg/L	1
12 October 1992	SI127	ND	0.0002	mg/L	1
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0002			
Method : SW8010					
Analyte : Dibromochloromethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.2	ug/L	1
9 September 1992	QT0822	ND	0.2	ug/L	1
17 September 1992	QT1716	ND	0.2	ug/L	1
30 September 1992	QP2913	ND	0.2	ug/L	1
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.2			

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Dibromochloromethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.2	ug/L	1
9 September 1992	QT0816	ND	0.2	ug/L	1
11 September 1992	QT1018	ND	0.2	ug/L	1
17 September 1992	QT1715	ND	0.2	ug/L	1
30 September 1992	QP2914	ND	0.2	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

Method : SW8010					
Analyte : Dibromochloromethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.2	ug/L	1
4 August 1992	OJ049	ND	0.2	ug/L	1
7 August 1992	OP0610	ND	0.2	ug/L	1
7 August 1992	OT0611	ND	0.2	ug/L	1
10 August 1992	OI108	ND	0.2	ug/L	1
10 August 1992	OT107	ND	0.2	ug/L	1
30 August 1992	OI308	ND	0.2	ug/L	1
31 August 1992	OP3112	ND	0.2	ug/L	1
8 September 1992	QT088	ND	0.2	ug/L	1
10 September 1992	QJ106	ND	0.2	ug/L	1
11 September 1992	QT1014	ND	0.2	ug/L	1
15 September 1992	QJ145	ND	0.2	ug/L	1
16 September 1992	QJ167	ND	0.2	ug/L	1
17 September 1992	QT178	ND	0.2	ug/L	1
18 September 1992	QJ189	ND	0.2	ug/L	1
18 September 1992	QT188	ND	0.2	ug/L	1
18 September 1992	QP185	ND	0.2	ug/L	1
21 September 1992	QJ217	ND	0.2	ug/L	1
22 September 1992	QI225	ND	0.2	ug/L	1
23 September 1992	QJ2310	ND	0.2	ug/L	1
23 September 1992	QI234	ND	0.2	ug/L	1
24 September 1992	QT246	ND	0.2	ug/L	1
28 September 1992	QI286	ND	0.2	ug/L	1
28 September 1992	QP287	ND	0.2	ug/L	1
29 September 1992	QP296	ND	0.2	ug/L	1
30 September 1992	QT307	ND	0.2	ug/L	1
1 October 1992	SI016	ND	0.2	ug/L	1
2 October 1992	SI026	ND	0.2	ug/L	1
6 October 1992	SP066	ND	0.2	ug/L	1
6 October 1992	SI065	ND	0.2	ug/L	1
7 October 1992	SP076	ND	0.2	ug/L	1
7 October 1992	SI076	ND	0.2	ug/L	1
9 October 1992	SI088	ND	0.2	ug/L	1
9 October 1992	SP086	ND	0.2	ug/L	1
12 October 1992	SI126	ND	0.2	ug/L	1
16 October 1992	SP167	ND	0.2	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : Dibromochloromethane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.2	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

Method : SW8010  
 Analyte : Dibromochloromethane  
 Type of Blank : Trip Blank

4 August 1992	OP0323	ND	0.2	ug/L	1
5 August 1992	OJ0418	ND	0.2	ug/L	1
9 September 1992	QT0819	ND	0.2	ug/L	1
11 September 1992	QT1019	ND	0.2	ug/L	1
18 September 1992	QT1717	ND	0.2	ug/L	1
18 September 1992	QT1718	ND	0.2	ug/L	1
19 September 1992	QT1820	ND	0.2	ug/L	1
19 September 1992	QP1814	ND	0.2	ug/L	1
22 September 1992	QJ2113	ND	0.2	ug/L	1
24 September 1992	QT2411	ND	0.2	ug/L	1
28 September 1992	QI287	ND	0.2	ug/L	1
28 September 1992	QP2811	ND	0.2	ug/L	1
28 September 1992	QP2813	ND	0.2	ug/L	1
1 October 1992	QT3020	ND	0.2	ug/L	1
1 October 1992	QT3019	ND	0.2	ug/L	1
3 October 1992	SI0220	ND	0.2	ug/L	1
7 October 1992	SI0617	ND	0.2	ug/L	1
8 October 1992	SI0717	ND	0.2	ug/L	1
9 October 1992	SI0815	ND	0.2	ug/L	1
12 October 1992	SI128	ND	0.2	ug/L	1
12 October 1992	SI127	ND	0.2	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

Method : SW8010  
 Analyte : Dibromomethane  
 Type of Blank : Ambient Conditions Blank

9 September 1992	QT0817	ND	0.0016	mg/L	1
9 September 1992	QT0822	ND	0.0016	mg/L	1
17 September 1992	QT1716	ND	0.0016	mg/L	1
30 September 1992	QP2913	ND	0.0016	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0016

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Dibromomethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.0016	mg/L	1
9 September 1992	QT0816	ND	0.0016	mg/L	1
11 September 1992	QT1018	ND	0.0016	mg/L	1
17 September 1992	QT1715	ND	0.0016	mg/L	1
30 September 1992	QP2914	ND	0.0016	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0016

Method : SW8010					
Analyte : Dibromomethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0016	mg/L	1
4 August 1992	OJ049	ND	0.0016	mg/L	1
7 August 1992	OT0611	ND	0.0016	mg/L	1
7 August 1992	OP0610	ND	0.0016	mg/L	1
10 August 1992	OI108	ND	0.0016	mg/L	1
10 August 1992	OT107	ND	0.0016	mg/L	1
30 August 1992	OI308	ND	0.0016	mg/L	1
31 August 1992	OP3112	ND	0.0016	mg/L	1
8 September 1992	QT088	ND	0.0016	mg/L	1
10 September 1992	QJ106	ND	0.0016	mg/L	1
11 September 1992	QT1014	ND	0.0016	mg/L	1
15 September 1992	QJ145	ND	0.0016	mg/L	1
16 September 1992	QJ167	ND	0.0016	mg/L	1
17 September 1992	QT178	ND	0.0016	mg/L	1
18 September 1992	QJ189	ND	0.0016	mg/L	1
18 September 1992	QT188	ND	0.0016	mg/L	1
18 September 1992	QP185	ND	0.0016	mg/L	1
21 September 1992	QJ217	ND	0.0016	mg/L	1
22 September 1992	QI225	ND	0.0016	mg/L	1
23 September 1992	QJ2310	ND	0.0016	mg/L	1
23 September 1992	QI234	ND	0.0016	mg/L	1
24 September 1992	QT246	ND	0.0016	mg/L	1
28 September 1992	QI286	ND	0.0016	mg/L	1
28 September 1992	QP287	ND	0.0016	mg/L	1
29 September 1992	QP296	ND	0.0016	mg/L	1
30 September 1992	QT307	ND	0.0016	mg/L	1
1 October 1992	SI016	ND	0.0016	mg/L	1
2 October 1992	SI026	ND	0.0016	mg/L	1
6 October 1992	SP066	ND	0.0016	mg/L	1
6 October 1992	SI065	ND	0.0016	mg/L	1
7 October 1992	SP076	ND	0.0016	mg/L	1
7 October 1992	SI076	ND	0.0016	mg/L	1
9 October 1992	SI088	ND	0.0016	mg/L	1
9 October 1992	SP086	ND	0.0016	mg/L	1
12 October 1992	SI126	ND	0.0016	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Dibromomethane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0016	mg/L	1
20 October 1992	SP1914	ND	0.0016	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0016

Method : SW8010					
Analyte : Dibromomethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0016	mg/L	1
5 August 1992	OJ0418	ND	0.0016	mg/L	1
9 September 1992	QT0819	ND	0.0016	mg/L	1
11 September 1992	QT1019	ND	0.0016	mg/L	1
18 September 1992	QT1718	ND	0.0016	mg/L	1
18 September 1992	QT1717	ND	0.0016	mg/L	1
19 September 1992	QT1820	ND	0.0016	mg/L	1
19 September 1992	QP1814	ND	0.0016	mg/L	1
22 September 1992	QJ2113	ND	0.0016	mg/L	1
24 September 1992	QT2411	ND	0.0016	mg/L	1
28 September 1992	QI287	ND	0.0016	mg/L	1
28 September 1992	QP2811	ND	0.0016	mg/L	1
28 September 1992	QP2813	ND	0.0016	mg/L	1
1 October 1992	QT3019	ND	0.0016	mg/L	1
1 October 1992	QT3020	ND	0.0016	mg/L	1
3 October 1992	SI0220	ND	0.0016	mg/L	1
7 October 1992	SI0617	ND	0.0016	mg/L	1
8 October 1992	SI0717	ND	0.0016	mg/L	1
9 October 1992	SI0815	ND	0.0016	mg/L	1
12 October 1992	SI128	ND	0.0016	mg/L	1
12 October 1992	SI127	ND	0.0016	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0016

Method : SW8010					
Analyte : Dibromomethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	1.6	ug/L	1
9 September 1992	QT0817	ND	1.6	ug/L	1
17 September 1992	QT1716	ND	1.6	ug/L	1
30 September 1992	QP2913	ND	1.6	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1.6

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Dibromomethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	1.6	ug/L	1
9 September 1992	QT0816	ND	1.6	ug/L	1
11 September 1992	QT1018	ND	1.6	ug/L	1
17 September 1992	QT1715	ND	1.6	ug/L	1
30 September 1992	QP2914	ND	1.6	ug/L	1

Total Number of Blanks = 5

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 1.6

Method : SW8010					
Analyte : Dibromomethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	1.6	ug/L	1
4 August 1992	OJ049	ND	1.6	ug/L	1
7 August 1992	OP0610	ND	1.6	ug/L	1
7 August 1992	OT0611	ND	1.6	ug/L	1
10 August 1992	OT107	ND	1.6	ug/L	1
10 August 1992	OI108	ND	1.6	ug/L	1
30 August 1992	OI308	ND	1.6	ug/L	1
31 August 1992	OP3112	ND	1.6	ug/L	1
8 September 1992	QT088	ND	1.6	ug/L	1
10 September 1992	QJ106	ND	1.6	ug/L	1
11 September 1992	QT1014	ND	1.6	ug/L	1
15 September 1992	QJ145	ND	1.6	ug/L	1
16 September 1992	QJ167	ND	1.6	ug/L	1
17 September 1992	QT178	ND	1.6	ug/L	1
18 September 1992	QJ189	ND	1.6	ug/L	1
18 September 1992	QT188	ND	1.6	ug/L	1
18 September 1992	QP185	ND	1.6	ug/L	1
21 September 1992	QJ217	ND	1.6	ug/L	1
22 September 1992	QI225	ND	1.6	ug/L	1
23 September 1992	QJ2310	ND	1.6	ug/L	1
23 September 1992	QI234	ND	1.6	ug/L	1
24 September 1992	QT246	ND	1.6	ug/L	1
28 September 1992	QI286	ND	1.6	ug/L	1
28 September 1992	QP287	ND	1.6	ug/L	1
29 September 1992	QP296	ND	1.6	ug/L	1
30 September 1992	QT307	ND	1.6	ug/L	1
1 October 1992	SI016	ND	1.6	ug/L	1
2 October 1992	SI026	ND	1.6	ug/L	1
6 October 1992	SP066	ND	1.6	ug/L	1
6 October 1992	SI065	ND	1.6	ug/L	1
7 October 1992	SP076	ND	1.6	ug/L	1
7 October 1992	SI076	ND	1.6	ug/L	1
9 October 1992	SP086	ND	1.6	ug/L	1
9 October 1992	SI088	ND	1.6	ug/L	1
12 October 1992	SI126	ND	1.6	ug/L	1
16 October 1992	SP167	ND	1.6	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : Dibromomethane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	1.6	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1.6

Method : SW8010					
Analyte : Dibromomethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	1.6	ug/L	1
5 August 1992	OJ0418	ND	1.6	ug/L	1
9 September 1992	QT0819	ND	1.6	ug/L	1
11 September 1992	QT1019	ND	1.6	ug/L	1
18 September 1992	QT1717	ND	1.6	ug/L	1
18 September 1992	QT1718	ND	1.6	ug/L	1
19 September 1992	QT1820	ND	1.6	ug/L	1
19 September 1992	QP1814	ND	1.6	ug/L	1
22 September 1992	QJ2113	ND	1.6	ug/L	1
24 September 1992	QT2411	ND	1.6	ug/L	1
28 September 1992	QI287	ND	1.6	ug/L	1
28 September 1992	QP2811	ND	1.6	ug/L	1
28 September 1992	QP2813	ND	1.6	ug/L	1
1 October 1992	QT3019	ND	1.6	ug/L	1
1 October 1992	QT3020	ND	1.6	ug/L	1
3 October 1992	SI0220	ND	1.6	ug/L	1
7 October 1992	SI0617	ND	1.6	ug/L	1
8 October 1992	SI0717	ND	1.6	ug/L	1
9 October 1992	SI0815	ND	1.6	ug/L	1
12 October 1992	SI128	ND	1.6	ug/L	1
12 October 1992	SI127	ND	1.6	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 1.6

Method : SW8010					
Analyte : Methylene chloride					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	0.0055	0.0004	mg/L	1
9 September 1992	QT0822	0.00065	0.0004	mg/L	1
17 September 1992	QT1716	0.001	0.0004	mg/L	1
30 September 1992	QP2913	ND	0.0004	mg/L	1

Total Number of Blanks = 4

Concentration Range 0.00065 - 0.0055

Total Number above Reporting Limit = 3

Maximum Reporting Limit = 0.0004



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Methylene chloride					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	0.00052	0.0004	mg/L	1
9 September 1992	QT0816	0.0047	0.0004	mg/L	1
11 September 1992	QT1018	0.0025	0.0004	mg/L	1
17 September 1992	QT1715	0.0012	0.0004	mg/L	1
30 September 1992	QP2914	ND	0.0004	mg/L	1

Total Number of Blanks = 5

Concentration Range 0.00052 - 0.0047

Total Number above Reporting Limit = 4

Maximum Reporting Limit = 0.0004

Method : SW8010					
Analyte : Methylene chloride					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0004	mg/L	1
4 August 1992	OJ049	ND	0.0004	mg/L	1
7 August 1992	OP0610	0.00045	0.0004	mg/L	1
7 August 1992	OT0611	ND	0.0004	mg/L	1
10 August 1992	OT107	ND	0.0004	mg/L	1
10 August 1992	OI108	ND	0.0004	mg/L	1
30 August 1992	OI308	ND	0.0004	mg/L	1
31 August 1992	OP3112	ND	0.0004	mg/L	1
8 September 1992	QT088	ND	0.0004	mg/L	1
10 September 1992	QJ106	ND	0.0004	mg/L	1
11 September 1992	QT1014	ND	0.0004	mg/L	1
15 September 1992	QJ145	ND	0.0004	mg/L	1
16 September 1992	QJ167	ND	0.0004	mg/L	1
17 September 1992	QT178	ND	0.0004	mg/L	1
18 September 1992	QT188	ND	0.0004	mg/L	1
18 September 1992	QJ189	ND	0.0004	mg/L	1
18 September 1992	QP185	ND	0.0004	mg/L	1
21 September 1992	QJ217	ND	0.0004	mg/L	1
22 September 1992	QI225	ND	0.0004	mg/L	1
23 September 1992	QI234	ND	0.0004	mg/L	1
23 September 1992	QJ2310	ND	0.0004	mg/L	1
24 September 1992	QT246	ND	0.0004	mg/L	1
28 September 1992	QI286	ND	0.0004	mg/L	1
28 September 1992	QP287	ND	0.0004	mg/L	1
29 September 1992	QP296	ND	0.0004	mg/L	1
30 September 1992	QT307	ND	0.0004	mg/L	1
1 October 1992	SI016	ND	0.0004	mg/L	1
2 October 1992	SI026	ND	0.0004	mg/L	1
6 October 1992	SP066	ND	0.0004	mg/L	1
6 October 1992	SI065	ND	0.0004	mg/L	1
7 October 1992	SP076	ND	0.0004	mg/L	1
7 October 1992	SI076	ND	0.0004	mg/L	1
9 October 1992	SI088	ND	0.0004	mg/L	1
9 October 1992	SP086	ND	0.0004	mg/L	1
12 October 1992	SI126	ND	0.0004	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Methylene chloride, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0004	mg/L	1
20 October 1992	SP1914	ND	0.0004	mg/L	1

Total Number of Blanks = 37

Concentration Range 0.00045 - 0.00045

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.0004

Method : SW8010					
Analyte : Methylene chloride					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0004	mg/L	1
5 August 1992	OJ0418	ND	0.0004	mg/L	1
9 September 1992	QT0819	0.0012	0.0004	mg/L	1
11 September 1992	QT1019	0.0016	0.0004	mg/L	1
18 September 1992	QT1718	ND	0.0004	mg/L	1
18 September 1992	QT1717	0.0024	0.0004	mg/L	1
19 September 1992	QP1814	ND	0.0004	mg/L	1
19 September 1992	QT1820	ND	0.0004	mg/L	1
22 September 1992	QJ2113	ND	0.0004	mg/L	1
24 September 1992	QT2411	ND	0.0004	mg/L	1
28 September 1992	QI287	ND	0.0004	mg/L	1
28 September 1992	QP2813	ND	0.0004	mg/L	1
28 September 1992	QP2811	ND	0.0004	mg/L	1
1 October 1992	QT3020	ND	0.0004	mg/L	1
7 October 1992	SI0617	0.0014	0.0004	mg/L	1
7 October 1992	SP077	ND	0.0004	mg/L	1
8 October 1992	SI0717	0.0012	0.0004	mg/L	1
8 October 1992	SP0719	ND	0.0004	mg/L	1
9 October 1992	SI0815	ND	0.0004	mg/L	1
12 October 1992	SI128	0.0012	0.0004	mg/L	1
12 October 1992	SI127	ND	0.0004	mg/L	1

Total Number of Blanks = 21

Concentration Range 0.0012 - 0.0024

Total Number above Reporting Limit = 6

Maximum Reporting Limit = 0.0004

Method : SW8010					
Analyte : Methylene chloride					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	5.5	0.4	ug/L	1
9 September 1992	QT0822	0.65	0.4	ug/L	1
17 September 1992	QT1716	1	0.4	ug/L	1
30 September 1992	QP2913	ND	0.4	ug/L	1

Total Number of Blanks = 4

Concentration Range 0.65 - 5.5

Total Number above Reporting Limit = 3

Maximum Reporting Limit = 0.4

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Methylene chloride					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	0.52	0.4	ug/L	1
9 September 1992	QT0816	4.7	0.4	ug/L	1
11 September 1992	QT1018	2.5	0.4	ug/L	1
17 September 1992	QT1715	1.2	0.4	ug/L	1
30 September 1992	QP2914	ND	0.4	ug/L	1

Total Number of Blanks = 5

Concentration Range 0.52 - 4.7

Total Number above Reporting Limit = 4

Maximum Reporting Limit = 0.4

Method : SW8010					
Analyte : Methylene chloride					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.4	ug/L	1
4 August 1992	OJ049	ND	0.4	ug/L	1
7 August 1992	OP0610	0.45	0.4	ug/L	1
7 August 1992	OT0611	ND	0.4	ug/L	1
10 August 1992	OI108	ND	0.4	ug/L	1
10 August 1992	OT107	ND	0.4	ug/L	1
30 August 1992	OI308	ND	0.4	ug/L	1
31 August 1992	OP3112	ND	0.4	ug/L	1
8 September 1992	QT088	ND	0.4	ug/L	1
10 September 1992	QJ106	ND	0.4	ug/L	1
11 September 1992	QT1014	ND	0.4	ug/L	1
15 September 1992	QJ145	ND	0.4	ug/L	1
16 September 1992	QJ167	ND	0.4	ug/L	1
17 September 1992	QT178	ND	0.4	ug/L	1
18 September 1992	QJ189	ND	0.4	ug/L	1
18 September 1992	QT188	ND	0.4	ug/L	1
18 September 1992	QP185	ND	0.4	ug/L	1
21 September 1992	QJ217	ND	0.4	ug/L	1
22 September 1992	QI225	ND	0.4	ug/L	1
23 September 1992	QJ2310	ND	0.4	ug/L	1
23 September 1992	QI234	ND	0.4	ug/L	1
24 September 1992	QT246	ND	0.4	ug/L	1
28 September 1992	QI286	ND	0.4	ug/L	1
28 September 1992	QP287	ND	0.4	ug/L	1
29 September 1992	QP296	ND	0.4	ug/L	1
30 September 1992	QT307	ND	0.4	ug/L	1
1 October 1992	SI016	ND	0.4	ug/L	1
2 October 1992	SI026	ND	0.4	ug/L	1
6 October 1992	SI065	ND	0.4	ug/L	1
6 October 1992	SP066	ND	0.4	ug/L	1
7 October 1992	SP076	ND	0.4	ug/L	1
7 October 1992	SI076	ND	0.4	ug/L	1
9 October 1992	SP086	ND	0.4	ug/L	1
9 October 1992	SI088	ND	0.4	ug/L	1
12 October 1992	SI126	ND	0.4	ug/L	1
16 October 1992	SP167	ND	0.4	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Methylene chloride, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.4	ug/L	1

Total Number of Blanks = 37

Concentration Range 0.45 - 0.45

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.4

Method : SW8010  
 Analyte : Methylene chloride  
 Type of Blank : Trip Blank

4 August 1992	OP0323	ND	0.4	ug/L	1
5 August 1992	OJ0418	ND	0.4	ug/L	1
9 September 1992	QT0819	1.2	0.4	ug/L	1
11 September 1992	QT1019	1.6	0.4	ug/L	1
18 September 1992	QT1717	2.4	0.4	ug/L	1
18 September 1992	QT1718	ND	0.4	ug/L	1
19 September 1992	QT1820	ND	0.4	ug/L	1
19 September 1992	QP1814	ND	0.4	ug/L	1
22 September 1992	QJ2113	ND	0.4	ug/L	1
24 September 1992	QT2411	ND	0.4	ug/L	1
28 September 1992	QI287	ND	0.4	ug/L	1
28 September 1992	QP2811	ND	0.4	ug/L	1
28 September 1992	QP2813	ND	0.4	ug/L	1
1 October 1992	QT3020	ND	0.4	ug/L	1
7 October 1992	SI0617	1.4	0.4	ug/L	1
7 October 1992	SP077	ND	0.4	ug/L	1
8 October 1992	SI0717	1.2	0.4	ug/L	1
8 October 1992	SP0719	ND	0.4	ug/L	1
9 October 1992	SI0815	ND	0.4	ug/L	1
12 October 1992	SI1128	1.2	0.4	ug/L	1
12 October 1992	SI1127	ND	0.4	ug/L	1

Total Number of Blanks = 21

Concentration Range 1.2 - 2.4

Total Number above Reporting Limit = 6

Maximum Reporting Limit = 0.4

Method : SW8010  
 Analyte : Tetrachloroethene  
 Type of Blank : Ambient Conditions Blank

9 September 1992	QT0817	ND	0.0001	mg/L	1
9 September 1992	QT0822	ND	0.0001	mg/L	1
17 September 1992	QT1716	ND	0.0001	mg/L	1
30 September 1992	QP2913	ND	0.0001	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0001

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Tetrachloroethene					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.0001	mg/L	1
9 September 1992	QT0821	ND	0.0001	mg/L	1
11 September 1992	QT1018	ND	0.0001	mg/L	1
17 September 1992	QT1715	ND	0.0001	mg/L	1
30 September 1992	QP2914	ND	0.0001	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0001

Method : SW8010					
Analyte : Tetrachloroethene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0001	mg/L	1
4 August 1992	OJ049	ND	0.0001	mg/L	1
7 August 1992	OT0611	ND	0.0001	mg/L	1
7 August 1992	OP0610	ND	0.0001	mg/L	1
10 August 1992	OI108	ND	0.0001	mg/L	1
10 August 1992	OT107	ND	0.0001	mg/L	1
30 August 1992	OI308	ND	0.0001	mg/L	1
31 August 1992	OP3112	ND	0.0001	mg/L	1
8 September 1992	QT088	ND	0.0001	mg/L	1
10 September 1992	QJ106	ND	0.0001	mg/L	1
11 September 1992	QT1014	ND	0.0001	mg/L	1
15 September 1992	QJ145	ND	0.0001	mg/L	1
16 September 1992	QJ167	ND	0.0001	mg/L	1
17 September 1992	QT178	ND	0.0001	mg/L	1
18 September 1992	QJ189	ND	0.0001	mg/L	1
18 September 1992	QT188	ND	0.0001	mg/L	1
18 September 1992	QP185	ND	0.0001	mg/L	1
21 September 1992	QJ217	ND	0.0001	mg/L	1
22 September 1992	QI225	ND	0.0001	mg/L	1
23 September 1992	QJ2310	ND	0.0001	mg/L	1
23 September 1992	QI234	ND	0.0001	mg/L	1
24 September 1992	QT246	ND	0.0001	mg/L	1
28 September 1992	QI286	ND	0.0001	mg/L	1
28 September 1992	QP287	ND	0.0001	mg/L	1
29 September 1992	QP296	ND	0.0001	mg/L	1
30 September 1992	QT307	ND	0.0001	mg/L	1
1 October 1992	SI016	ND	0.0001	mg/L	1
2 October 1992	SI026	ND	0.0001	mg/L	1
6 October 1992	SP066	ND	0.0001	mg/L	1
6 October 1992	SI065	ND	0.0001	mg/L	1
7 October 1992	SP076	ND	0.0001	mg/L	1
7 October 1992	SI076	ND	0.0001	mg/L	1
9 October 1992	SI088	ND	0.0001	mg/L	1
9 October 1992	SP086	ND	0.0001	mg/L	1
12 October 1992	SI126	ND	0.0001	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Tetrachloroethene, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0001	mg/L	1
20 October 1992	SP1914	ND	0.0001	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0001

Method : SW8010					
Analyte : Tetrachloroethene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0001	mg/L	1
5 August 1992	OJ0418	ND	0.0001	mg/L	1
9 September 1992	QT0819	ND	0.0001	mg/L	1
16 September 1992	QJ1612	ND	0.0001	mg/L	1
18 September 1992	QT1717	ND	0.0001	mg/L	1
18 September 1992	QT1718	ND	0.0001	mg/L	1
19 September 1992	QT1820	ND	0.0001	mg/L	1
19 September 1992	QP1814	ND	0.0001	mg/L	1
22 September 1992	QJ2113	ND	0.0001	mg/L	1
24 September 1992	QT2411	ND	0.0001	mg/L	1
28 September 1992	QI287	ND	0.0001	mg/L	1
28 September 1992	QP2811	ND	0.0001	mg/L	1
28 September 1992	QP2813	ND	0.0001	mg/L	1
1 October 1992	QT3020	ND	0.0001	mg/L	1
1 October 1992	QT3019	ND	0.0001	mg/L	1
3 October 1992	SI0220	ND	0.0001	mg/L	1
7 October 1992	SI0617	ND	0.0001	mg/L	1
8 October 1992	SI0717	ND	0.0001	mg/L	1
9 October 1992	SI0815	ND	0.0001	mg/L	1
12 October 1992	SI128	ND	0.0001	mg/L	1
12 October 1992	SI127	ND	0.0001	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0001

Method : SW8010					
Analyte : Tetrachloroethene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.1	ug/L	1
9 September 1992	QT0817	ND	0.1	ug/L	1
17 September 1992	QT1716	ND	0.1	ug/L	1
30 September 1992	QP2913	ND	0.1	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Tetrachloroethene					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.1	ug/L	1
9 September 1992	QT0816	ND	0.1	ug/L	1
11 September 1992	QT1018	ND	0.1	ug/L	1
17 September 1992	QT1715	ND	0.1	ug/L	1
30 September 1992	QP2914	ND	0.1	ug/L	1
<hr/>					
Total Number of Blanks = 5			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.1		
Method : SW8010					
Analyte : Tetrachloroethene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.1	ug/L	1
4 August 1992	OJ049	ND	0.1	ug/L	1
7 August 1992	OT0611	ND	0.1	ug/L	1
7 August 1992	OP0610	ND	0.1	ug/L	1
10 August 1992	OI108	ND	0.1	ug/L	1
10 August 1992	OT107	ND	0.1	ug/L	1
30 August 1992	OI308	ND	0.1	ug/L	1
31 August 1992	OP3112	ND	0.1	ug/L	1
8 September 1992	QT088	ND	0.1	ug/L	1
10 September 1992	QJ106	ND	0.1	ug/L	1
11 September 1992	QT1014	ND	0.1	ug/L	1
15 September 1992	QJ145	ND	0.1	ug/L	1
16 September 1992	QJ167	ND	0.1	ug/L	1
17 September 1992	QT178	ND	0.1	ug/L	1
18 September 1992	QT188	ND	0.1	ug/L	1
18 September 1992	QJ189	ND	0.1	ug/L	1
18 September 1992	QP185	ND	0.1	ug/L	1
21 September 1992	QJ217	ND	0.1	ug/L	1
22 September 1992	QI225	ND	0.1	ug/L	1
23 September 1992	QJ2310	ND	0.1	ug/L	1
23 September 1992	QI234	ND	0.1	ug/L	1
24 September 1992	QT246	ND	0.1	ug/L	1
28 September 1992	QI286	ND	0.1	ug/L	1
28 September 1992	QP287	ND	0.1	ug/L	1
29 September 1992	QP296	ND	0.1	ug/L	1
30 September 1992	QT307	ND	0.1	ug/L	1
1 October 1992	SI016	ND	0.1	ug/L	1
2 October 1992	SI026	ND	0.1	ug/L	1
6 October 1992	SP066	ND	0.1	ug/L	1
6 October 1992	SI065	ND	0.1	ug/L	1
7 October 1992	SP076	ND	0.1	ug/L	1
7 October 1992	SI076	ND	0.1	ug/L	1
9 October 1992	SI088	ND	0.1	ug/L	1
9 October 1992	SP086	ND	0.1	ug/L	1
12 October 1992	SI126	ND	0.1	ug/L	1
16 October 1992	SP167	ND	0.1	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Tetrachloroethene, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.1	ug/L	1
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.1			
Method : SW8010					
Analyte : Tetrachloroethene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.1	ug/L	1
5 August 1992	OJ0418	ND	0.1	ug/L	1
9 September 1992	QT0819	ND	0.1	ug/L	1
16 September 1992	QJ1612	ND	0.1	ug/L	1
18 September 1992	QT1718	ND	0.1	ug/L	1
18 September 1992	QT1717	ND	0.1	ug/L	1
19 September 1992	QP1814	ND	0.1	ug/L	1
19 September 1992	QT1820	ND	0.1	ug/L	1
22 September 1992	QJ2113	ND	0.1	ug/L	1
24 September 1992	QT2411	ND	0.1	ug/L	1
28 September 1992	QI287	ND	0.1	ug/L	1
28 September 1992	QP2811	ND	0.1	ug/L	1
28 September 1992	QP2813	ND	0.1	ug/L	1
1 October 1992	QT3020	ND	0.1	ug/L	1
1 October 1992	QT3019	ND	0.1	ug/L	1
3 October 1992	SI0220	ND	0.1	ug/L	1
7 October 1992	SI0617	ND	0.1	ug/L	1
8 October 1992	SI0717	ND	0.1	ug/L	1
9 October 1992	SI0815	ND	0.1	ug/L	1
12 October 1992	SI128	ND	0.1	ug/L	1
12 October 1992	SI127	ND	0.1	ug/L	1
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.1			
Method : SW8010					
Analyte : Trichloroethene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.0002	mg/L	1
9 September 1992	QT0822	ND	0.0002	mg/L	1
17 September 1992	QT1716	ND	0.0002	mg/L	1
30 September 1992	QP2913	ND	0.0002	mg/L	1
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0002			



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Trichloroethene					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.0002	mg/L	1
9 September 1992	QT0816	ND	0.0002	mg/L	1
11 September 1992	QT1018	ND	0.0002	mg/L	1
17 September 1992	QT1715	ND	0.0002	mg/L	1
30 September 1992	QP2914	ND	0.0002	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0002

Method : SW8010					
Analyte : Trichloroethene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.0002	mg/L	1
4 August 1992	OJ049	ND	0.0002	mg/L	1
7 August 1992	OP0610	ND	0.0002	mg/L	1
7 August 1992	OT0611	ND	0.0002	mg/L	1
10 August 1992	OI108	ND	0.0002	mg/L	1
10 August 1992	OT107	ND	0.0002	mg/L	1
30 August 1992	OI308	ND	0.0002	mg/L	1
31 August 1992	OP3112	ND	0.0002	mg/L	1
8 September 1992	QT088	ND	0.0002	mg/L	1
10 September 1992	QJ106	ND	0.0002	mg/L	1
11 September 1992	QT1014	ND	0.0002	mg/L	1
15 September 1992	QJ145	ND	0.0002	mg/L	1
16 September 1992	QJ167	ND	0.0002	mg/L	1
17 September 1992	QT178	ND	0.0002	mg/L	1
18 September 1992	QJ189	ND	0.0002	mg/L	1
18 September 1992	QT188	ND	0.0002	mg/L	1
18 September 1992	QP185	ND	0.0002	mg/L	1
21 September 1992	QJ217	ND	0.0002	mg/L	1
22 September 1992	QI225	ND	0.0002	mg/L	1
23 September 1992	QJ2310	ND	0.0002	mg/L	1
23 September 1992	QI234	ND	0.0002	mg/L	1
24 September 1992	QT246	ND	0.0002	mg/L	1
28 September 1992	QI286	ND	0.0002	mg/L	1
28 September 1992	QP287	ND	0.0002	mg/L	1
29 September 1992	QP296	ND	0.0002	mg/L	1
30 September 1992	QT307	ND	0.0002	mg/L	1
1 October 1992	SI016	ND	0.0002	mg/L	1
2 October 1992	SI026	ND	0.0002	mg/L	1
6 October 1992	SI065	ND	0.0002	mg/L	1
6 October 1992	SP066	ND	0.0002	mg/L	1
7 October 1992	SP076	ND	0.0002	mg/L	1
7 October 1992	SI076	ND	0.0002	mg/L	1
9 October 1992	SI088	ND	0.0002	mg/L	1
9 October 1992	SP086	ND	0.0002	mg/L	1
12 October 1992	SI126	ND	0.0002	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Trichloroethene, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0002	mg/L	1
20 October 1992	SP1914	ND	0.0002	mg/L	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.0002

Method : SW8010					
Analyte : Trichloroethene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0002	mg/L	1
5 August 1992	OJ0418	ND	0.0002	mg/L	1
9 September 1992	QT0819	ND	0.0002	mg/L	1
11 September 1992	QT1019	ND	0.0002	mg/L	1
18 September 1992	QT1718	ND	0.0002	mg/L	1
18 September 1992	QT1717	ND	0.0002	mg/L	1
19 September 1992	QP1814	ND	0.0002	mg/L	1
19 September 1992	QT1820	ND	0.0002	mg/L	1
22 September 1992	QJ2113	ND	0.0002	mg/L	1
24 September 1992	QT2411	ND	0.0002	mg/L	1
28 September 1992	QI287	ND	0.0002	mg/L	1
28 September 1992	QP2811	ND	0.0002	mg/L	1
28 September 1992	QP2813	ND	0.0002	mg/L	1
1 October 1992	QT3019	ND	0.0002	mg/L	1
1 October 1992	QT3020	ND	0.0002	mg/L	1
7 October 1992	SP0621	ND	0.0002	mg/L	1
8 October 1992	SP0719	ND	0.0002	mg/L	1
8 October 1992	SI0717	ND	0.0002	mg/L	1
9 October 1992	SI0815	ND	0.0002	mg/L	1
12 October 1992	SI128	ND	0.0002	mg/L	1
12 October 1992	SI127	ND	0.0002	mg/L	1

Total Number of Blanks = 21

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.0002

Method : SW8010					
Analyte : Trichloroethene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.2	ug/L	1
9 September 1992	QT0822	ND	0.2	ug/L	1
17 September 1992	QT1716	ND	0.2	ug/L	1
30 September 1992	QP2913	ND	0.2	ug/L	1

Total Number of Blanks = 4

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.2

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Trichloroethene					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.2	ug/L	1
9 September 1992	QT0821	ND	0.2	ug/L	1
11 September 1992	QT1018	ND	0.2	ug/L	1
17 September 1992	QT1715	ND	0.2	ug/L	1
30 September 1992	QP2914	ND	0.2	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

Method : SW8010					
Analyte : Trichloroethene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.2	ug/L	1
4 August 1992	OJ049	ND	0.2	ug/L	1
7 August 1992	OP0610	ND	0.2	ug/L	1
7 August 1992	OT0611	ND	0.2	ug/L	1
10 August 1992	OT107	ND	0.2	ug/L	1
10 August 1992	OI108	ND	0.2	ug/L	1
30 August 1992	OI308	ND	0.2	ug/L	1
31 August 1992	OP3112	ND	0.2	ug/L	1
8 September 1992	QT088	ND	0.2	ug/L	1
10 September 1992	QJ106	ND	0.2	ug/L	1
11 September 1992	QT1014	ND	0.2	ug/L	1
15 September 1992	QJ145	ND	0.2	ug/L	1
16 September 1992	QJ167	ND	0.2	ug/L	1
17 September 1992	QT178	ND	0.2	ug/L	1
18 September 1992	QJ189	ND	0.2	ug/L	1
18 September 1992	QT188	ND	0.2	ug/L	1
18 September 1992	QP185	ND	0.2	ug/L	1
21 September 1992	QJ217	ND	0.2	ug/L	1
22 September 1992	QI225	ND	0.2	ug/L	1
23 September 1992	QI234	ND	0.2	ug/L	1
23 September 1992	QJ2310	ND	0.2	ug/L	1
24 September 1992	QT246	ND	0.2	ug/L	1
28 September 1992	QI286	ND	0.2	ug/L	1
28 September 1992	QP287	ND	0.2	ug/L	1
29 September 1992	QP296	ND	0.2	ug/L	1
30 September 1992	QT307	ND	0.2	ug/L	1
1 October 1992	SI016	ND	0.2	ug/L	1
2 October 1992	SI026	ND	0.2	ug/L	1
6 October 1992	SP066	ND	0.2	ug/L	1
6 October 1992	SI065	ND	0.2	ug/L	1
7 October 1992	SP076	ND	0.2	ug/L	1
7 October 1992	SI076	ND	0.2	ug/L	1
9 October 1992	SP086	ND	0.2	ug/L	1
9 October 1992	SI088	ND	0.2	ug/L	1
12 October 1992	SI126	ND	0.2	ug/L	1
16 October 1992	SP167	ND	0.2	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Trichloroethene, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.2	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

Method : SW8010					
Analyte : Trichloroethene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.2	ug/L	1
5 August 1992	OJ0418	ND	0.2	ug/L	1
9 September 1992	QT0819	ND	0.2	ug/L	1
11 September 1992	QT1019	ND	0.2	ug/L	1
18 September 1992	QT1717	ND	0.2	ug/L	1
18 September 1992	QT1718	ND	0.2	ug/L	1
19 September 1992	QT1820	ND	0.2	ug/L	1
19 September 1992	QP1814	ND	0.2	ug/L	1
22 September 1992	QJ2113	ND	0.2	ug/L	1
24 September 1992	QT2411	ND	0.2	ug/L	1
28 September 1992	QI287	ND	0.2	ug/L	1
28 September 1992	QP2813	ND	0.2	ug/L	1
28 September 1992	QP2811	ND	0.2	ug/L	1
1 October 1992	QT3020	ND	0.2	ug/L	1
1 October 1992	QT3019	ND	0.2	ug/L	1
7 October 1992	SP0621	ND	0.2	ug/L	1
8 October 1992	SI0717	ND	0.2	ug/L	1
8 October 1992	SP0719	ND	0.2	ug/L	1
9 October 1992	SI0815	ND	0.2	ug/L	1
12 October 1992	SI128	ND	0.2	ug/L	1
12 October 1992	SI127	ND	0.2	ug/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

Method : SW8010					
Analyte : Trichlorofluoromethane					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.00055	mg/L	1
9 September 1992	QT0817	ND	0.00055	mg/L	1
17 September 1992	QT1716	ND	0.00055	mg/L	1
30 September 1992	QP2913	ND	0.00055	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00055

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Trichlorofluoromethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.00055	mg/L	1
9 September 1992	QT0821	ND	0.00055	mg/L	1
11 September 1992	QT1018	ND	0.00055	mg/L	1
17 September 1992	QT1715	ND	0.00055	mg/L	1
30 September 1992	QP2914	ND	0.00055	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00055

Method : SW8010					
Analyte : Trichlorofluoromethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.00055	mg/L	1
4 August 1992	OJ049	ND	0.00055	mg/L	1
7 August 1992	OP0610	ND	0.00055	mg/L	1
7 August 1992	OT0611	ND	0.00055	mg/L	1
10 August 1992	OT107	ND	0.00055	mg/L	1
10 August 1992	OI108	ND	0.00055	mg/L	1
30 August 1992	OI308	ND	0.00055	mg/L	1
31 August 1992	OP3112	ND	0.00055	mg/L	1
8 September 1992	QT088	ND	0.00055	mg/L	1
10 September 1992	QJ106	ND	0.00055	mg/L	1
11 September 1992	QT1014	ND	0.00055	mg/L	1
15 September 1992	QJ145	ND	0.00055	mg/L	1
16 September 1992	QJ167	ND	0.00055	mg/L	1
17 September 1992	QT178	ND	0.00055	mg/L	1
18 September 1992	QJ189	ND	0.00055	mg/L	1
18 September 1992	QT188	ND	0.00055	mg/L	1
18 September 1992	QP185	ND	0.00055	mg/L	1
21 September 1992	QJ217	ND	0.00055	mg/L	1
22 September 1992	QI225	ND	0.00055	mg/L	1
23 September 1992	QI234	ND	0.00055	mg/L	1
23 September 1992	QJ2310	ND	0.00055	mg/L	1
24 September 1992	QT246	ND	0.00055	mg/L	1
28 September 1992	QI286	ND	0.00055	mg/L	1
28 September 1992	QP287	ND	0.00055	mg/L	1
29 September 1992	QP296	ND	0.00055	mg/L	1
30 September 1992	QT307	ND	0.00055	mg/L	1
1 October 1992	SI016	ND	0.00055	mg/L	1
2 October 1992	SI026	ND	0.00055	mg/L	1
6 October 1992	SP066	ND	0.00055	mg/L	1
6 October 1992	SI065	ND	0.00055	mg/L	1
7 October 1992	SI076	ND	0.00055	mg/L	1
7 October 1992	SP076	ND	0.00055	mg/L	1
9 October 1992	SP086	ND	0.00055	mg/L	1
9 October 1992	SI088	ND	0.00055	mg/L	1
12 October 1992	SI126	ND	0.00055	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Trichlorofluoromethane, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.00055	mg/L	1
20 October 1992	SP1914	ND	0.00055	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00055

Method : SW8010  
 Analyte : Trichlorofluoromethane  
 Type of Blank : Trip Blank

4 August 1992	OP0323	0.00058	0.00055	mg/L	1
11 August 1992	OT1016	ND	0.00055	mg/L	1
9 September 1992	QT0819	ND	0.00055	mg/L	1
11 September 1992	QT1019	ND	0.00055	mg/L	1
18 September 1992	QT1718	ND	0.00055	mg/L	1
18 September 1992	QT1717	ND	0.00055	mg/L	1
19 September 1992	QP1814	ND	0.00055	mg/L	1
19 September 1992	QT1820	ND	0.00055	mg/L	1
22 September 1992	QJ2113	ND	0.00055	mg/L	1
24 September 1992	QT2411	ND	0.00055	mg/L	1
28 September 1992	QI287	ND	0.00055	mg/L	1
28 September 1992	QP2811	ND	0.00055	mg/L	1
28 September 1992	QP2813	ND	0.00055	mg/L	1
1 October 1992	QT3020	ND	0.00055	mg/L	1
1 October 1992	QT3019	ND	0.00055	mg/L	1
3 October 1992	SI0220	ND	0.00055	mg/L	1
7 October 1992	SI0617	ND	0.00055	mg/L	1
8 October 1992	SI0717	ND	0.00055	mg/L	1
9 October 1992	SI0815	ND	0.00055	mg/L	1
12 October 1992	SI128	ND	0.00055	mg/L	1
12 October 1992	SI127	ND	0.00055	mg/L	1

Total Number of Blanks = 21

Concentration Range 0.00058 - 0.00058

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.00055

Method : SW8010  
 Analyte : Trichlorofluoromethane  
 Type of Blank : Ambient Conditions Blank

9 September 1992	QT0817	ND	0.55	ug/L	1
9 September 1992	QT0822	ND	0.55	ug/L	1
17 September 1992	QT1716	ND	0.55	ug/L	1
30 September 1992	QP2913	ND	0.55	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.55

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Trichlorofluoromethane					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.55	ug/L	1
9 September 1992	QT0816	ND	0.55	ug/L	1
11 September 1992	QT1018	ND	0.55	ug/L	1
17 September 1992	QT1715	ND	0.55	ug/L	1
30 September 1992	QP2914	ND	0.55	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.55

Method : SW8010					
Analyte : Trichlorofluoromethane					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.55	ug/L	1
4 August 1992	OJ049	ND	0.55	ug/L	1
7 August 1992	OP0610	ND	0.55	ug/L	1
7 August 1992	OT0611	ND	0.55	ug/L	1
10 August 1992	OI108	ND	0.55	ug/L	1
10 August 1992	OT107	ND	0.55	ug/L	1
30 August 1992	OI308	ND	0.55	ug/L	1
31 August 1992	OP3112	ND	0.55	ug/L	1
8 September 1992	QT088	ND	0.55	ug/L	1
10 September 1992	QJ106	ND	0.55	ug/L	1
11 September 1992	QT1014	ND	0.55	ug/L	1
15 September 1992	QJ145	ND	0.55	ug/L	1
16 September 1992	QJ167	ND	0.55	ug/L	1
17 September 1992	QT178	ND	0.55	ug/L	1
18 September 1992	QJ189	ND	0.55	ug/L	1
18 September 1992	QT188	ND	0.55	ug/L	1
18 September 1992	QP185	ND	0.55	ug/L	1
21 September 1992	QJ217	ND	0.55	ug/L	1
22 September 1992	QI225	ND	0.55	ug/L	1
23 September 1992	QJ2310	ND	0.55	ug/L	1
23 September 1992	QI234	ND	0.55	ug/L	1
24 September 1992	QT246	ND	0.55	ug/L	1
28 September 1992	QI286	ND	0.55	ug/L	1
28 September 1992	QP287	ND	0.55	ug/L	1
29 September 1992	QP296	ND	0.55	ug/L	1
30 September 1992	QT307	ND	0.55	ug/L	1
1 October 1992	SI016	ND	0.55	ug/L	1
2 October 1992	SI026	ND	0.55	ug/L	1
6 October 1992	SP066	ND	0.55	ug/L	1
6 October 1992	SI065	ND	0.55	ug/L	1
7 October 1992	SP076	ND	0.55	ug/L	1
7 October 1992	SI076	ND	0.55	ug/L	1
9 October 1992	SP086	ND	0.55	ug/L	1
9 October 1992	SI088	ND	0.55	ug/L	1
12 October 1992	SI126	ND	0.55	ug/L	1
16 October 1992	SP167	ND	0.55	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Trichlorofluoromethane, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.55	ug/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.55

Method : SW8010					
Analyte : Trichlorofluoromethane					
Type of Blank : Trip Blank					
4 August 1992	OP0323	0.58	0.55	ug/L	1
11 August 1992	OT1016	ND	0.55	ug/L	1
9 September 1992	QT0819	ND	0.55	ug/L	1
11 September 1992	QT1019	ND	0.55	ug/L	1
18 September 1992	QT1717	ND	0.55	ug/L	1
18 September 1992	QT1718	ND	0.55	ug/L	1
19 September 1992	QP1814	ND	0.55	ug/L	1
19 September 1992	QT1820	ND	0.55	ug/L	1
22 September 1992	QJ2113	ND	0.55	ug/L	1
24 September 1992	QT2411	ND	0.55	ug/L	1
28 September 1992	QI287	ND	0.55	ug/L	1
28 September 1992	QP2811	ND	0.55	ug/L	1
28 September 1992	QP2813	ND	0.55	ug/L	1
1 October 1992	QT3020	ND	0.55	ug/L	1
1 October 1992	QT3019	ND	0.55	ug/L	1
3 October 1992	SI0220	ND	0.55	ug/L	1
7 October 1992	SI0617	ND	0.55	ug/L	1
8 October 1992	SI0717	ND	0.55	ug/L	1
9 October 1992	SI0815	ND	0.55	ug/L	1
12 October 1992	SI128	ND	0.55	ug/L	1
12 October 1992	SI127	ND	0.55	ug/L	1

Total Number of Blanks = 21

Concentration Range 0.58 - 0.58

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.55

Method : SW8010					
Analyte : Vinyl chloride					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.00025	mg/L	1
9 September 1992	QT0822	ND	0.00025	mg/L	1
17 September 1992	QT1716	ND	0.00025	mg/L	1
30 September 1992	QP2913	ND	0.00025	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00025



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Vinyl chloride					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.00025	mg/L	1
9 September 1992	QT0816	ND	0.00025	mg/L	1
11 September 1992	QT1018	ND	0.00025	mg/L	1
17 September 1992	QT1715	ND	0.00025	mg/L	1
30 September 1992	QP2914	ND	0.00025	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00025

Method : SW8010					
Analyte : Vinyl chloride					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.00025	mg/L	1
4 August 1992	OJ049	ND	0.00025	mg/L	1
7 August 1992	OT0611	ND	0.00025	mg/L	1
7 August 1992	OP0610	ND	0.00025	mg/L	1
10 August 1992	OI108	ND	0.00025	mg/L	1
10 August 1992	OT107	ND	0.00025	mg/L	1
30 August 1992	OI308	ND	0.00025	mg/L	1
31 August 1992	OP3112	ND	0.00025	mg/L	1
8 September 1992	QT088	ND	0.00025	mg/L	1
10 September 1992	QJ106	ND	0.00025	mg/L	1
11 September 1992	QT1014	ND	0.00025	mg/L	1
15 September 1992	QJ145	ND	0.00025	mg/L	1
16 September 1992	QJ167	ND	0.00025	mg/L	1
17 September 1992	QT178	ND	0.00025	mg/L	1
18 September 1992	QT188	ND	0.00025	mg/L	1
18 September 1992	QJ189	ND	0.00025	mg/L	1
18 September 1992	QP185	ND	0.00025	mg/L	1
21 September 1992	QJ217	ND	0.00025	mg/L	1
22 September 1992	QI225	ND	0.00025	mg/L	1
23 September 1992	QJ2310	ND	0.00025	mg/L	1
23 September 1992	QI234	ND	0.00025	mg/L	1
24 September 1992	QT246	ND	0.00025	mg/L	1
28 September 1992	QI286	ND	0.00025	mg/L	1
28 September 1992	QP287	ND	0.00025	mg/L	1
29 September 1992	QP296	ND	0.00025	mg/L	1
30 September 1992	QT307	ND	0.00025	mg/L	1
1 October 1992	SI016	ND	0.00025	mg/L	1
2 October 1992	SI026	ND	0.00025	mg/L	1
6 October 1992	SP066	ND	0.00025	mg/L	1
6 October 1992	SI065	ND	0.00025	mg/L	1
7 October 1992	SP076	ND	0.00025	mg/L	1
7 October 1992	SI076	ND	0.00025	mg/L	1
9 October 1992	SP086	ND	0.00025	mg/L	1
9 October 1992	SI088	ND	0.00025	mg/L	1
12 October 1992	SI126	ND	0.00025	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Vinyl chloride, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.00025	mg/L	1
20 October 1992	SP1914	ND	0.00025	mg/L	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.00025

Method : SW8010					
Analyte : Vinyl chloride					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.00025	mg/L	1
5 August 1992	OJ0418	ND	0.00025	mg/L	1
9 September 1992	QT0819	ND	0.00025	mg/L	1
11 September 1992	QT1019	ND	0.00025	mg/L	1
18 September 1992	QT1717	ND	0.00025	mg/L	1
18 September 1992	QT1718	ND	0.00025	mg/L	1
19 September 1992	QP1814	ND	0.00025	mg/L	1
19 September 1992	QT1820	ND	0.00025	mg/L	1
22 September 1992	QJ2113	ND	0.00025	mg/L	1
24 September 1992	QT2411	ND	0.00025	mg/L	1
28 September 1992	QI287	ND	0.00025	mg/L	1
28 September 1992	QP2813	ND	0.00025	mg/L	1
28 September 1992	QP2811	ND	0.00025	mg/L	1
1 October 1992	QT3019	ND	0.00025	mg/L	1
1 October 1992	QT3020	ND	0.00025	mg/L	1
3 October 1992	SI0220	ND	0.00025	mg/L	1
7 October 1992	SI0617	ND	0.00025	mg/L	1
8 October 1992	SI0717	ND	0.00025	mg/L	1
9 October 1992	SI0815	ND	0.00025	mg/L	1
12 October 1992	SI128	ND	0.00025	mg/L	1
12 October 1992	SI127	ND	0.00025	mg/L	1

Total Number of Blanks = 21

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.00025

Method : SW8010					
Analyte : Vinyl chloride					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.25	ug/L	1
9 September 1992	QT0817	ND	0.25	ug/L	1
17 September 1992	QT1716	ND	0.25	ug/L	1
30 September 1992	QP2913	ND	0.25	ug/L	1

Total Number of Blanks = 4

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.25

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : Vinyl chloride					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.25	ug/L	1
9 September 1992	QT0821	ND	0.25	ug/L	1
11 September 1992	QT1018	ND	0.25	ug/L	1
17 September 1992	QT1715	ND	0.25	ug/L	1
30 September 1992	QP2914	ND	0.25	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.25

Method : SW8010					
Analyte : Vinyl chloride					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.25	ug/L	1
4 August 1992	OJ049	ND	0.25	ug/L	1
7 August 1992	OP0610	ND	0.25	ug/L	1
7 August 1992	OT0611	ND	0.25	ug/L	1
10 August 1992	OI108	ND	0.25	ug/L	1
10 August 1992	OT107	ND	0.25	ug/L	1
30 August 1992	OI308	ND	0.25	ug/L	1
31 August 1992	OP3112	ND	0.25	ug/L	1
8 September 1992	QT088	ND	0.25	ug/L	1
10 September 1992	QJ106	ND	0.25	ug/L	1
11 September 1992	QT1014	ND	0.25	ug/L	1
15 September 1992	QJ145	ND	0.25	ug/L	1
16 September 1992	QJ167	ND	0.25	ug/L	1
17 September 1992	QT178	ND	0.25	ug/L	1
18 September 1992	QJ189	ND	0.25	ug/L	1
18 September 1992	QT188	ND	0.25	ug/L	1
18 September 1992	QP185	ND	0.25	ug/L	1
21 September 1992	QJ217	ND	0.25	ug/L	1
22 September 1992	QI225	ND	0.25	ug/L	1
23 September 1992	QJ2310	ND	0.25	ug/L	1
23 September 1992	QI234	ND	0.25	ug/L	1
24 September 1992	QT246	ND	0.25	ug/L	1
28 September 1992	QI286	ND	0.25	ug/L	1
28 September 1992	QP287	ND	0.25	ug/L	1
29 September 1992	QP296	ND	0.25	ug/L	1
30 September 1992	QT307	ND	0.25	ug/L	1
1 October 1992	SI016	ND	0.25	ug/L	1
2 October 1992	SI026	ND	0.25	ug/L	1
6 October 1992	SI065	ND	0.25	ug/L	1
6 October 1992	SP066	ND	0.25	ug/L	1
7 October 1992	SI076	ND	0.25	ug/L	1
7 October 1992	SP076	ND	0.25	ug/L	1
9 October 1992	SP086	ND	0.25	ug/L	1
9 October 1992	SI088	ND	0.25	ug/L	1
12 October 1992	SI126	ND	0.25	ug/L	1
16 October 1992	SP167	ND	0.25	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : Vinyl chloride, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.25	ug/L	1
-----					
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.25			
Method : SW8010					
Analyte : Vinyl chloride					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.25	ug/L	1
5 August 1992	OJ0418	ND	0.25	ug/L	1
9 September 1992	QT0819	ND	0.25	ug/L	1
11 September 1992	QT1019	ND	0.25	ug/L	1
18 September 1992	QT1717	ND	0.25	ug/L	1
18 September 1992	QT1718	ND	0.25	ug/L	1
19 September 1992	QP1814	ND	0.25	ug/L	1
19 September 1992	QT1820	ND	0.25	ug/L	1
22 September 1992	QJ2113	ND	0.25	ug/L	1
24 September 1992	QT2411	ND	0.25	ug/L	1
28 September 1992	QI287	ND	0.25	ug/L	1
28 September 1992	QP2813	ND	0.25	ug/L	1
28 September 1992	QP2811	ND	0.25	ug/L	1
1 October 1992	QT3019	ND	0.25	ug/L	1
1 October 1992	QT3020	ND	0.25	ug/L	1
3 October 1992	SI0220	ND	0.25	ug/L	1
7 October 1992	SI0617	ND	0.25	ug/L	1
8 October 1992	SI0717	ND	0.25	ug/L	1
9 October 1992	SI0815	ND	0.25	ug/L	1
12 October 1992	SI128	ND	0.25	ug/L	1
12 October 1992	SI127	ND	0.25	ug/L	1
-----					
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.25			
Method : SW8010					
Analyte : cis-1,3-Dichloropropene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.0002	mg/L	1
9 September 1992	QT0817	ND	0.0002	mg/L	1
17 September 1992	QT1716	ND	0.0002	mg/L	1
30 September 1992	QP2913	ND	0.0002	mg/L	1
-----					
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0002			

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : cis-1,3-Dichloropropene					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.0002	mg/L	1
9 September 1992	QT0816	ND	0.0002	mg/L	1
11 September 1992	QT1018	ND	0.0002	mg/L	1
17 September 1992	QT1715	ND	0.0002	mg/L	1
30 September 1992	QP2914	ND	0.0002	mg/L	1
Total Number of Blanks = 5			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0002		
Method : SW8010					
Analyte : cis-1,3-Dichloropropene					
Type of Blank : Method Blank					
3 August 1992	QP037	ND	0.0002	mg/L	1
4 August 1992	QJ049	ND	0.0002	mg/L	1
7 August 1992	QT0611	ND	0.0002	mg/L	1
7 August 1992	QP0610	ND	0.0002	mg/L	1
10 August 1992	QI108	ND	0.0002	mg/L	1
10 August 1992	QT107	ND	0.0002	mg/L	1
30 August 1992	QI308	ND	0.0002	mg/L	1
31 August 1992	QP3112	ND	0.0002	mg/L	1
8 September 1992	QT088	ND	0.0002	mg/L	1
10 September 1992	QJ106	ND	0.0002	mg/L	1
11 September 1992	QT1014	ND	0.0002	mg/L	1
15 September 1992	QJ145	ND	0.0002	mg/L	1
16 September 1992	QJ167	ND	0.0002	mg/L	1
17 September 1992	QT178	ND	0.0002	mg/L	1
18 September 1992	QT188	ND	0.0002	mg/L	1
18 September 1992	QJ189	ND	0.0002	mg/L	1
18 September 1992	QP185	ND	0.0002	mg/L	1
21 September 1992	QJ217	ND	0.0002	mg/L	1
22 September 1992	QI225	ND	0.0002	mg/L	1
23 September 1992	QJ2310	ND	0.0002	mg/L	1
23 September 1992	QI234	ND	0.0002	mg/L	1
24 September 1992	QT246	ND	0.0002	mg/L	1
28 September 1992	QI286	ND	0.0002	mg/L	1
28 September 1992	QP287	ND	0.0002	mg/L	1
29 September 1992	QP296	ND	0.0002	mg/L	1
30 September 1992	QT307	ND	0.0002	mg/L	1
1 October 1992	SI016	ND	0.0002	mg/L	1
2 October 1992	SI026	ND	0.0002	mg/L	1
6 October 1992	SI065	ND	0.0002	mg/L	1
6 October 1992	SP066	ND	0.0002	mg/L	1
7 October 1992	SP076	ND	0.0002	mg/L	1
7 October 1992	SI076	ND	0.0002	mg/L	1
9 October 1992	SI088	ND	0.0002	mg/L	1
9 October 1992	SP086	ND	0.0002	mg/L	1
12 October 1992	SI126	ND	0.0002	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : cis-1,3-Dichloropropene, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.0002	mg/L	1
20 October 1992	SP1914	ND	0.0002	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0002

Method : SW8010					
Analyte : cis-1,3-Dichloropropene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.0002	mg/L	1
5 August 1992	OJ0418	ND	0.0002	mg/L	1
9 September 1992	QT0819	ND	0.0002	mg/L	1
11 September 1992	QT1019	ND	0.0002	mg/L	1
18 September 1992	QT1717	ND	0.0002	mg/L	1
18 September 1992	QT1718	ND	0.0002	mg/L	1
19 September 1992	QT1820	ND	0.0002	mg/L	1
22 September 1992	QJ2113	ND	0.0002	mg/L	1
23 September 1992	QI2212	ND	0.0002	mg/L	1
24 September 1992	QT2411	ND	0.0002	mg/L	1
28 September 1992	QI287	ND	0.0002	mg/L	1
28 September 1992	QP2813	ND	0.0002	mg/L	1
28 September 1992	QP2811	ND	0.0002	mg/L	1
1 October 1992	QT3020	ND	0.0002	mg/L	1
1 October 1992	QT3019	ND	0.0002	mg/L	1
3 October 1992	SI0220	ND	0.0002	mg/L	1
7 October 1992	SI0617	ND	0.0002	mg/L	1
8 October 1992	SI0717	ND	0.0002	mg/L	1
9 October 1992	SI0815	ND	0.0002	mg/L	1
12 October 1992	SI128	ND	0.0002	mg/L	1
12 October 1992	SI127	ND	0.0002	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0002

Method : SW8010					
Analyte : cis-1,3-Dichloropropene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.2	ug/L	1
9 September 1992	QT0817	ND	0.2	ug/L	1
17 September 1992	QT1716	ND	0.2	ug/L	1
30 September 1992	QP2913	ND	0.2	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8010					
Analyte : cis-1,3-Dichloropropene					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.2	ug/L	1
9 September 1992	QT0821	ND	0.2	ug/L	1
11 September 1992	QT1018	ND	0.2	ug/L	1
17 September 1992	QT1715	ND	0.2	ug/L	1
30 September 1992	QP2914	ND	0.2	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

Method : SW8010					
Analyte : cis-1,3-Dichloropropene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.2	ug/L	1
4 August 1992	OJ049	ND	0.2	ug/L	1
7 August 1992	OP0610	ND	0.2	ug/L	1
7 August 1992	OT0611	ND	0.2	ug/L	1
10 August 1992	OI108	ND	0.2	ug/L	1
10 August 1992	OT107	ND	0.2	ug/L	1
30 August 1992	OI308	ND	0.2	ug/L	1
31 August 1992	OP3112	ND	0.2	ug/L	1
8 September 1992	QT088	ND	0.2	ug/L	1
10 September 1992	QJ106	ND	0.2	ug/L	1
11 September 1992	QT1014	ND	0.2	ug/L	1
15 September 1992	QJ145	ND	0.2	ug/L	1
16 September 1992	QJ167	ND	0.2	ug/L	1
17 September 1992	QT178	ND	0.2	ug/L	1
18 September 1992	QJ189	ND	0.2	ug/L	1
18 September 1992	QT188	ND	0.2	ug/L	1
18 September 1992	QP185	ND	0.2	ug/L	1
21 September 1992	QJ217	ND	0.2	ug/L	1
22 September 1992	QI225	ND	0.2	ug/L	1
23 September 1992	QJ2310	ND	0.2	ug/L	1
23 September 1992	QI234	ND	0.2	ug/L	1
24 September 1992	QT246	ND	0.2	ug/L	1
28 September 1992	QI286	ND	0.2	ug/L	1
28 September 1992	QP287	ND	0.2	ug/L	1
29 September 1992	QP296	ND	0.2	ug/L	1
30 September 1992	QT307	ND	0.2	ug/L	1
1 October 1992	SI016	ND	0.2	ug/L	1
2 October 1992	SI026	ND	0.2	ug/L	1
6 October 1992	SI065	ND	0.2	ug/L	1
6 October 1992	SP066	ND	0.2	ug/L	1
7 October 1992	SI076	ND	0.2	ug/L	1
7 October 1992	SP076	ND	0.2	ug/L	1
9 October 1992	SP086	ND	0.2	ug/L	1
9 October 1992	SI088	ND	0.2	ug/L	1
12 October 1992	SI126	ND	0.2	ug/L	1
16 October 1992	SP167	ND	0.2	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8010					
Analyte : cis-1,3-Dichloropropene, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.2	ug/L	1
-----					
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.2			
Method : SW8010					
Analyte : cis-1,3-Dichloropropene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.2	ug/L	1
5 August 1992	OJ0418	ND	0.2	ug/L	1
9 September 1992	QT0819	ND	0.2	ug/L	1
11 September 1992	QT1019	ND	0.2	ug/L	1
18 September 1992	QT1717	ND	0.2	ug/L	1
18 September 1992	QT1718	ND	0.2	ug/L	1
19 September 1992	QT1820	ND	0.2	ug/L	1
22 September 1992	QJ2113	ND	0.2	ug/L	1
23 September 1992	QI2212	ND	0.2	ug/L	1
24 September 1992	QT2411	ND	0.2	ug/L	1
28 September 1992	QI287	ND	0.2	ug/L	1
28 September 1992	QP2811	ND	0.2	ug/L	1
28 September 1992	QP2813	ND	0.2	ug/L	1
1 October 1992	QT3020	ND	0.2	ug/L	1
1 October 1992	QT3019	ND	0.2	ug/L	1
3 October 1992	SI0220	ND	0.2	ug/L	1
7 October 1992	SI0617	ND	0.2	ug/L	1
8 October 1992	SI0717	ND	0.2	ug/L	1
9 October 1992	SI0815	ND	0.2	ug/L	1
12 October 1992	SI1128	ND	0.2	ug/L	1
12 October 1992	SI1127	ND	0.2	ug/L	1
-----					
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.2			
Method : SW8010					
Analyte : trans-1,2-Dichloroethene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.00025	mg/L	1
9 September 1992	QT0822	ND	0.00025	mg/L	1
17 September 1992	QT1716	ND	0.00025	mg/L	1
30 September 1992	QP2913	ND	0.00025	mg/L	1
-----					
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.00025			



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : trans-1,2-Dichloroethene					
Type of Blank : Equipment Blank					
9 September 1992	QT0821	ND	0.00025	mg/L	1
9 September 1992	QT0816	ND	0.00025	mg/L	1
11 September 1992	QT1018	ND	0.00025	mg/L	1
17 September 1992	QT1715	ND	0.00025	mg/L	1
30 September 1992	QP2914	ND	0.00025	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00025

Method : SW8010					
Analyte : trans-1,2-Dichloroethene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.00025	mg/L	1
4 August 1992	OJ049	ND	0.00025	mg/L	1
7 August 1992	OT0611	ND	0.00025	mg/L	1
7 August 1992	OP0610	ND	0.00025	mg/L	1
10 August 1992	OI108	ND	0.00025	mg/L	1
10 August 1992	OT107	ND	0.00025	mg/L	1
30 August 1992	OI308	ND	0.00025	mg/L	1
31 August 1992	OP3112	ND	0.00025	mg/L	1
8 September 1992	QT088	ND	0.00025	mg/L	1
10 September 1992	QJ106	ND	0.00025	mg/L	1
11 September 1992	QT1014	ND	0.00025	mg/L	1
15 September 1992	QJ145	ND	0.00025	mg/L	1
16 September 1992	QJ167	ND	0.00025	mg/L	1
17 September 1992	QT178	ND	0.00025	mg/L	1
18 September 1992	QT188	ND	0.00025	mg/L	1
18 September 1992	QJ189	ND	0.00025	mg/L	1
18 September 1992	QP185	ND	0.00025	mg/L	1
21 September 1992	QJ217	ND	0.00025	mg/L	1
22 September 1992	QI225	ND	0.00025	mg/L	1
23 September 1992	QJ2310	ND	0.00025	mg/L	1
23 September 1992	QI234	ND	0.00025	mg/L	1
24 September 1992	QT246	ND	0.00025	mg/L	1
28 September 1992	QI286	ND	0.00025	mg/L	1
28 September 1992	QP287	ND	0.00025	mg/L	1
29 September 1992	QP296	ND	0.00025	mg/L	1
30 September 1992	QT307	ND	0.00025	mg/L	1
1 October 1992	SI016	ND	0.00025	mg/L	1
2 October 1992	SI026	ND	0.00025	mg/L	1
6 October 1992	SI065	ND	0.00025	mg/L	1
6 October 1992	SP066	ND	0.00025	mg/L	1
7 October 1992	SP076	ND	0.00025	mg/L	1
7 October 1992	SI076	ND	0.00025	mg/L	1
9 October 1992	SI088	ND	0.00025	mg/L	1
9 October 1992	SP086	ND	0.00025	mg/L	1
12 October 1992	SI126	ND	0.00025	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : trans-1,2-Dichloroethene, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.00025	mg/L	1
20 October 1992	SP1914	ND	0.00025	mg/L	1

Total Number of Blanks = 37

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.00025

Method : SW8010					
Analyte : trans-1,2-Dichloroethene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.00025	mg/L	1
5 August 1992	OJ0418	ND	0.00025	mg/L	1
9 September 1992	QT0819	ND	0.00025	mg/L	1
11 September 1992	QT1019	ND	0.00025	mg/L	1
18 September 1992	QT1717	ND	0.00025	mg/L	1
18 September 1992	QT1718	ND	0.00025	mg/L	1
19 September 1992	QP1814	ND	0.00025	mg/L	1
19 September 1992	QT1820	ND	0.00025	mg/L	1
22 September 1992	QJ2113	ND	0.00025	mg/L	1
24 September 1992	QT2411	ND	0.00025	mg/L	1
28 September 1992	QI287	ND	0.00025	mg/L	1
28 September 1992	QP2813	ND	0.00025	mg/L	1
28 September 1992	QP2811	ND	0.00025	mg/L	1
1 October 1992	QT3020	ND	0.00025	mg/L	1
1 October 1992	QT3019	ND	0.00025	mg/L	1
3 October 1992	SI0220	ND	0.00025	mg/L	1
7 October 1992	SI0617	ND	0.00025	mg/L	1
8 October 1992	SI0717	ND	0.00025	mg/L	1
9 October 1992	SI0815	ND	0.00025	mg/L	1
12 October 1992	SI128	ND	0.00025	mg/L	1
12 October 1992	SI127	ND	0.00025	mg/L	1

Total Number of Blanks = 21

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.00025

Method : SW8010					
Analyte : trans-1,2-Dichloroethene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0822	ND	0.25	ug/L	1
9 September 1992	QT0817	ND	0.25	ug/L	1
17 September 1992	QT1716	ND	0.25	ug/L	1
30 September 1992	QP2913	ND	0.25	ug/L	1

Total Number of Blanks = 4

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.25

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : trans-1,2-Dichloroethene					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.25	ug/L	1
9 September 1992	QT0821	ND	0.25	ug/L	1
11 September 1992	QT1018	ND	0.25	ug/L	1
17 September 1992	QT1715	ND	0.25	ug/L	1
30 September 1992	QP2914	ND	0.25	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.25

Method : SW8010					
Analyte : trans-1,2-Dichloroethene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.25	ug/L	1
4 August 1992	OJ049	ND	0.25	ug/L	1
7 August 1992	OT0611	ND	0.25	ug/L	1
7 August 1992	OP0610	ND	0.25	ug/L	1
10 August 1992	OI108	ND	0.25	ug/L	1
10 August 1992	OT107	ND	0.25	ug/L	1
30 August 1992	OI308	ND	0.25	ug/L	1
31 August 1992	OP3112	ND	0.25	ug/L	1
8 September 1992	QT088	ND	0.25	ug/L	1
10 September 1992	QJ106	ND	0.25	ug/L	1
11 September 1992	QT1014	ND	0.25	ug/L	1
15 September 1992	QJ145	ND	0.25	ug/L	1
16 September 1992	QJ167	ND	0.25	ug/L	1
17 September 1992	QT178	ND	0.25	ug/L	1
18 September 1992	QJ189	ND	0.25	ug/L	1
18 September 1992	QT188	ND	0.25	ug/L	1
18 September 1992	QP185	ND	0.25	ug/L	1
21 September 1992	QJ217	ND	0.25	ug/L	1
22 September 1992	QI225	ND	0.25	ug/L	1
23 September 1992	QJ2310	ND	0.25	ug/L	1
23 September 1992	QI234	ND	0.25	ug/L	1
24 September 1992	QT246	ND	0.25	ug/L	1
28 September 1992	QI286	ND	0.25	ug/L	1
28 September 1992	QP287	ND	0.25	ug/L	1
29 September 1992	QP296	ND	0.25	ug/L	1
30 September 1992	QT307	ND	0.25	ug/L	1
1 October 1992	SI016	ND	0.25	ug/L	1
2 October 1992	SI026	ND	0.25	ug/L	1
6 October 1992	SI065	ND	0.25	ug/L	1
6 October 1992	SP066	ND	0.25	ug/L	1
7 October 1992	SP076	ND	0.25	ug/L	1
7 October 1992	SI076	ND	0.25	ug/L	1
9 October 1992	SI088	ND	0.25	ug/L	1
9 October 1992	SP086	ND	0.25	ug/L	1
12 October 1992	SI126	ND	0.25	ug/L	1
16 October 1992	SP167	ND	0.25	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : trans-1,2-Dichloroethene, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.25	ug/L	1
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.25			
Method : SW8010					
Analyte : trans-1,2-Dichloroethene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.25	ug/L	1
5 August 1992	OJ0418	ND	0.25	ug/L	1
9 September 1992	QT0819	ND	0.25	ug/L	1
11 September 1992	QT1019	ND	0.25	ug/L	1
18 September 1992	QT1717	ND	0.25	ug/L	1
18 September 1992	QT1718	ND	0.25	ug/L	1
19 September 1992	QP1814	ND	0.25	ug/L	1
19 September 1992	QT1820	ND	0.25	ug/L	1
22 September 1992	QJ2113	ND	0.25	ug/L	1
24 September 1992	QT2411	ND	0.25	ug/L	1
28 September 1992	QI287	ND	0.25	ug/L	1
28 September 1992	QP2813	ND	0.25	ug/L	1
28 September 1992	QP2811	ND	0.25	ug/L	1
1 October 1992	QT3019	ND	0.25	ug/L	1
1 October 1992	QT3020	ND	0.25	ug/L	1
3 October 1992	SI0220	ND	0.25	ug/L	1
7 October 1992	SI0617	ND	0.25	ug/L	1
8 October 1992	SI0717	ND	0.25	ug/L	1
9 October 1992	SI0815	ND	0.25	ug/L	1
12 October 1992	SI128	ND	0.25	ug/L	1
12 October 1992	SI127	ND	0.25	ug/L	1
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.25			
Method : SW8010					
Analyte : trans-1,3-Dichloropropene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.00015	mg/L	1
9 September 1992	QT0822	ND	0.00015	mg/L	1
17 September 1992	QT1716	ND	0.00015	mg/L	1
30 September 1992	QP2913	ND	0.00015	mg/L	1
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.00015			

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : trans-1,3-Dichloropropene					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.00015	mg/L	1
9 September 1992	QT0821	ND	0.00015	mg/L	1
11 September 1992	QT1018	ND	0.00015	mg/L	1
17 September 1992	QT1715	ND	0.00015	mg/L	1
30 September 1992	QP2914	ND	0.00015	mg/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00015

Method : SW8010					
Analyte : trans-1,3-Dichloropropene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.00015	mg/L	1
4 August 1992	OJ049	ND	0.00015	mg/L	1
7 August 1992	OP0610	ND	0.00015	mg/L	1
7 August 1992	OT0611	ND	0.00015	mg/L	1
10 August 1992	OI108	ND	0.00015	mg/L	1
10 August 1992	OT107	ND	0.00015	mg/L	1
30 August 1992	OI308	ND	0.00015	mg/L	1
31 August 1992	OP3112	ND	0.00015	mg/L	1
8 September 1992	QT088	ND	0.00015	mg/L	1
10 September 1992	QJ106	ND	0.00015	mg/L	1
11 September 1992	QT1014	ND	0.00015	mg/L	1
15 September 1992	QJ145	ND	0.00015	mg/L	1
16 September 1992	QJ167	ND	0.00015	mg/L	1
17 September 1992	QT178	ND	0.00015	mg/L	1
18 September 1992	QT188	ND	0.00015	mg/L	1
18 September 1992	QJ189	ND	0.00015	mg/L	1
18 September 1992	QP185	ND	0.00015	mg/L	1
21 September 1992	QJ217	ND	0.00015	mg/L	1
22 September 1992	QI225	ND	0.00015	mg/L	1
23 September 1992	QI234	ND	0.00015	mg/L	1
23 September 1992	QJ2310	ND	0.00015	mg/L	1
24 September 1992	QT246	ND	0.00015	mg/L	1
28 September 1992	QI286	ND	0.00015	mg/L	1
28 September 1992	QP287	ND	0.00015	mg/L	1
29 September 1992	QP296	ND	0.00015	mg/L	1
30 September 1992	QT307	ND	0.00015	mg/L	1
1 October 1992	SI016	ND	0.00015	mg/L	1
2 October 1992	SI026	ND	0.00015	mg/L	1
6 October 1992	SP066	ND	0.00015	mg/L	1
6 October 1992	SI065	ND	0.00015	mg/L	1
7 October 1992	SI076	ND	0.00015	mg/L	1
7 October 1992	SP076	ND	0.00015	mg/L	1
9 October 1992	SI088	ND	0.00015	mg/L	1
9 October 1992	SP086	ND	0.00015	mg/L	1
12 October 1992	SI126	ND	0.00015	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : trans-1,3-Dichloropropene, cont.					
Type of Blank : Method Blank					
16 October 1992	SP167	ND	0.00015	mg/L	1
20 October 1992	SP1914	ND	0.00015	mg/L	1

Total Number of Blanks = 37

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00015

Method : SW8010					
Analyte : trans-1,3-Dichloropropene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.00015	mg/L	1
5 August 1992	OJ0418	ND	0.00015	mg/L	1
9 September 1992	QT0819	ND	0.00015	mg/L	1
11 September 1992	QT1019	ND	0.00015	mg/L	1
18 September 1992	QT1717	ND	0.00015	mg/L	1
18 September 1992	QT1718	ND	0.00015	mg/L	1
19 September 1992	QT1820	ND	0.00015	mg/L	1
19 September 1992	QP1814	ND	0.00015	mg/L	1
22 September 1992	QJ2113	ND	0.00015	mg/L	1
24 September 1992	QT2411	ND	0.00015	mg/L	1
28 September 1992	QI287	ND	0.00015	mg/L	1
28 September 1992	QP2813	ND	0.00015	mg/L	1
28 September 1992	QP2811	ND	0.00015	mg/L	1
1 October 1992	QT3019	ND	0.00015	mg/L	1
1 October 1992	QT3020	ND	0.00015	mg/L	1
3 October 1992	SI0220	ND	0.00015	mg/L	1
7 October 1992	SI0617	ND	0.00015	mg/L	1
8 October 1992	SI0717	ND	0.00015	mg/L	1
9 October 1992	SI0815	ND	0.00015	mg/L	1
12 October 1992	SI128	ND	0.00015	mg/L	1
12 October 1992	SI127	ND	0.00015	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00015

Method : SW8010					
Analyte : trans-1,3-Dichloropropene					
Type of Blank : Ambient Conditions Blank					
9 September 1992	QT0817	ND	0.15	ug/L	1
9 September 1992	QT0822	ND	0.15	ug/L	1
17 September 1992	QT1716	ND	0.15	ug/L	1
30 September 1992	QP2913	ND	0.15	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.15

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : trans-1,3-Dichloropropene					
Type of Blank : Equipment Blank					
9 September 1992	QT0816	ND	0.15	ug/L	1
9 September 1992	QT0821	ND	0.15	ug/L	1
11 September 1992	QT1018	ND	0.15	ug/L	1
17 September 1992	QT1715	ND	0.15	ug/L	1
30 September 1992	QP2914	ND	0.15	ug/L	1

Total Number of Blanks = 5

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.15

Method : SW8010					
Analyte : trans-1,3-Dichloropropene					
Type of Blank : Method Blank					
3 August 1992	OP037	ND	0.15	ug/L	1
4 August 1992	OJ049	ND	0.15	ug/L	1
7 August 1992	OP0610	ND	0.15	ug/L	1
7 August 1992	OT0611	ND	0.15	ug/L	1
10 August 1992	OI108	ND	0.15	ug/L	1
10 August 1992	OT107	ND	0.15	ug/L	1
30 August 1992	OI308	ND	0.15	ug/L	1
31 August 1992	OP3112	ND	0.15	ug/L	1
8 September 1992	QT088	ND	0.15	ug/L	1
10 September 1992	QJ106	ND	0.15	ug/L	1
11 September 1992	QT1014	ND	0.15	ug/L	1
15 September 1992	QJ145	ND	0.15	ug/L	1
16 September 1992	QJ167	ND	0.15	ug/L	1
17 September 1992	QT178	ND	0.15	ug/L	1
18 September 1992	QJ189	ND	0.15	ug/L	1
18 September 1992	QT188	ND	0.15	ug/L	1
18 September 1992	QP185	ND	0.15	ug/L	1
21 September 1992	QJ217	ND	0.15	ug/L	1
22 September 1992	QI225	ND	0.15	ug/L	1
23 September 1992	QJ2310	ND	0.15	ug/L	1
23 September 1992	QI234	ND	0.15	ug/L	1
24 September 1992	QT246	ND	0.15	ug/L	1
28 September 1992	QI286	ND	0.15	ug/L	1
28 September 1992	QP287	ND	0.15	ug/L	1
29 September 1992	QP296	ND	0.15	ug/L	1
30 September 1992	QT307	ND	0.15	ug/L	1
1 October 1992	SI016	ND	0.15	ug/L	1
2 October 1992	SI026	ND	0.15	ug/L	1
6 October 1992	SP066	ND	0.15	ug/L	1
6 October 1992	SI065	ND	0.15	ug/L	1
7 October 1992	SI076	ND	0.15	ug/L	1
7 October 1992	SP076	ND	0.15	ug/L	1
9 October 1992	SP086	ND	0.15	ug/L	1
9 October 1992	SI088	ND	0.15	ug/L	1
12 October 1992	SI126	ND	0.15	ug/L	1
16 October 1992	SP167	ND	0.15	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8010					
Analyte : trans-1,3-Dichloropropene, cont.					
Type of Blank : Method Blank					
20 October 1992	SP1914	ND	0.15	ug/L	1
-----					
Total Number of Blanks = 37		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.15			
Method : SW8010					
Analyte : trans-1,3-Dichloropropene					
Type of Blank : Trip Blank					
4 August 1992	OP0323	ND	0.15	ug/L	1
5 August 1992	OJ0418	ND	0.15	ug/L	1
9 September 1992	QT0819	ND	0.15	ug/L	1
11 September 1992	QT1019	ND	0.15	ug/L	1
18 September 1992	QT1717	ND	0.15	ug/L	1
18 September 1992	QT1718	ND	0.15	ug/L	1
19 September 1992	QP1814	ND	0.15	ug/L	1
19 September 1992	QT1820	ND	0.15	ug/L	1
22 September 1992	QJ2113	ND	0.15	ug/L	1
24 September 1992	QT2411	ND	0.15	ug/L	1
28 September 1992	QI287	ND	0.15	ug/L	1
28 September 1992	QP2811	ND	0.15	ug/L	1
28 September 1992	QP2813	ND	0.15	ug/L	1
1 October 1992	QT3019	ND	0.15	ug/L	1
1 October 1992	QT3020	ND	0.15	ug/L	1
3 October 1992	SI0220	ND	0.15	ug/L	1
7 October 1992	SI0617	ND	0.15	ug/L	1
8 October 1992	SI0717	ND	0.15	ug/L	1
9 October 1992	SI0815	ND	0.15	ug/L	1
12 October 1992	SI128	ND	0.15	ug/L	1
12 October 1992	SI127	ND	0.15	ug/L	1
-----					
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.15			
Method : SW8015MEMP					
Analyte : Diesel Range Organics (2)					
Type of Blank : Equipment Blank					
6 September 1992	QM0611	ND	0.19	mg/L	0.970
14 September 1992	QM1425	ND	0.2	mg/L	1
14 September 1992	QM1415	ND	0.19	mg/L	0.970
14 September 1992	QM1416	ND	0.19	mg/L	0.950
15 September 1992	QM1428	ND	0.2	mg/L	1.00
19 September 1992	QM1823	ND	0.19	mg/L	0.957
26 September 1992	QM2528	ND	0.2	mg/L	1
29 September 1992	QM2824	ND	0.22	mg/L	1.09
29 September 1992	QM2825	ND	0.23	mg/L	1.15
2 October 1992	SM0118	ND	0.2	mg/L	1.02



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8015MEMP					
Analyte : Diesel Range Organics (2), cont.					
Type of Blank : Equipment Blank					
6 October 1992	SG0620	ND	0.22	mg/L	1.08
13 October 1992	SG1222	ND	0.2	mg/L	1
<hr/>					
Total Number of Blanks = 12		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.23			
Method : SW8015MEMP					
Analyte : Diesel Range Organics (2)					
Type of Blank : Method Blank					
4 September 1992	QM048	ND	0.2	mg/L	1
5 September 1992	QM048	ND	0.2	mg/L	1
5 September 1992	QM058	ND	0.2	mg/L	1
6 September 1992	QM067	ND	0.2	mg/L	1
14 September 1992	QM1412	ND	0.2	mg/L	1
14 September 1992	QM1410	ND	0.2	mg/L	1.00
19 September 1992	QM1820	ND	0.2	mg/L	1
26 September 1992	QM2525	ND	0.2	mg/L	1
29 September 1992	QM2818	ND	0.2	mg/L	1
1 October 1992	SM017	ND	0.2	mg/L	1
6 October 1992	SG066	ND	0.2	mg/L	1
7 October 1992	SG077	ND	0.2	mg/L	1
8 October 1992	SM0816	ND	0.2	mg/L	1
9 October 1992	SM096	ND	0.2	mg/L	1
9 October 1992	SG107	ND	0.2	mg/L	1
10 October 1992	SM0921	ND	0.2	mg/L	1
10 October 1992	SG1018	ND	0.2	mg/L	1
12 October 1992	SG127	ND	0.2	mg/L	1
13 October 1992	SM1218	ND	0.2	mg/L	1
14 October 1992	SG146	ND	0.2	mg/L	1
14 October 1992	SG136	ND	0.2	mg/L	1
15 October 1992	SG156	ND	0.2	mg/L	1
<hr/>					
Total Number of Blanks = 22		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.2			
Method : SW8015MEMP					
Analyte : Diesel Range Organics (2)					
Type of Blank : Equipment Blank					
6 September 1992	QM0611	ND	190	ug/L	0.970
14 September 1992	QM1425	ND	200	ug/L	1
14 September 1992	QM1415	ND	190	ug/L	0.970
14 September 1992	QM1416	ND	190	ug/L	0.950
15 September 1992	QM1428	ND	200	ug/L	1.00
19 September 1992	QM1823	ND	190	ug/L	0.957
26 September 1992	QM2528	ND	200	ug/L	1
29 September 1992	QM2824	ND	220	ug/L	1.09

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8015MEMP					
Analyte : Diesel Range Organics (2), cont.					
Type of Blank : Equipment Blank					
29 September 1992	QM2825	ND	230	ug/L	1.15
2 October 1992	SM0118	ND	200	ug/L	1.02
6 October 1992	SG0620	ND	220	ug/L	1.08
13 October 1992	SG1222	ND	200	ug/L	1
Total Number of Blanks = 12			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 230		
Method : SW8015MEMP					
Analyte : Diesel Range Organics (2)					
Type of Blank : Method Blank					
4 September 1992	QM048	ND	200	ug/L	1
5 September 1992	QM048	ND	200	ug/L	1
5 September 1992	QM058	ND	200	ug/L	1
6 September 1992	QM067	ND	200	ug/L	1
14 September 1992	QM1412	ND	200	ug/L	1
14 September 1992	QM1410	ND	200	ug/L	1.00
19 September 1992	QM1820	ND	200	ug/L	1
26 September 1992	QM2525	ND	200	ug/L	1
29 September 1992	QM2818	ND	200	ug/L	1
1 October 1992	SM017	ND	200	ug/L	1
6 October 1992	SG066	ND	200	ug/L	1
7 October 1992	SG077	ND	200	ug/L	1
8 October 1992	SM0816	ND	200	ug/L	1
9 October 1992	SG107	ND	200	ug/L	1
9 October 1992	SM096	ND	200	ug/L	1
10 October 1992	SG1018	ND	200	ug/L	1
10 October 1992	SM0921	ND	200	ug/L	1
12 October 1992	SG127	ND	200	ug/L	1
13 October 1992	SM1218	ND	200	ug/L	1
14 October 1992	SG146	ND	200	ug/L	1
14 October 1992	SG136	ND	200	ug/L	1
15 October 1992	SG156	ND	200	ug/L	1
Total Number of Blanks = 22			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 200		
Method : SW8015MEMP					
Analyte : Gasoline Range Organics (2)					
Type of Blank : Equipment Blank					
17 September 1992	QL1714	0.16	0.1	mg/L	1
Total Number of Blanks = 1			Concentration Range 0.16 - 0.16		
Total Number above Reporting Limit = 1			Maximum Reporting Limit =		

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8015MEMP					
Analyte : Gasoline Range Organics (2)					
Type of Blank : Equipment Blank					
17 September 1992	QL1714	160	100	ug/L	1
Total Number of Blanks = 1		Concentration Range 160.0 - 160.0			
Total Number above Reporting Limit = 1		Maximum Reporting Limit =			
Method : SW8020					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Ambient Conditions Blank					
12 September 1992	RL1115	ND	0.0004	mg/L	1
15 September 1992	RL1412	ND	0.0004	mg/L	1
21 September 1992	RL2015	ND	0.0004	mg/L	1
30 September 1992	RL3023	ND	0.0004	mg/L	1
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0004			
Method : SW8020					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Equipment Blank					
11 August 1992	PL1019	ND	0.0004	mg/L	1
11 August 1992	PL1021	ND	0.0008	mg/L	2
21 August 1992	PL2110	ND	0.0004	mg/L	1
12 September 1992	RL1113	ND	0.0004	mg/L	1
14 September 1992	RL1411	ND	0.0004	mg/L	1
15 September 1992	RL1413	ND	0.0004	mg/L	1
21 September 1992	RL2012	ND	0.0004	mg/L	1
1 October 1992	RL3027	ND	0.0004	mg/L	1
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0008			
Method : SW8020					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Method Blank					
8 August 1992	OL811	ND	0.0004	mg/L	1
8 August 1992	PL811	ND	0.0004	mg/L	1
10 August 1992	PL910	ND	0.0004	mg/L	1
10 August 1992	OL910	ND	0.0004	mg/L	1
11 August 1992	OL109	ND	0.0004	mg/L	1
11 August 1992	PL109	ND	0.0004	mg/L	1
22 August 1992	PL2113	ND	0.0004	mg/L	1
30 August 1992	PI308	ND	0.0004	mg/L	1
31 August 1992	PP3112	ND	0.0004	mg/L	1
31 August 1992	PI315	ND	0.0004	mg/L	1
11 September 1992	RL115	ND	0.0004	mg/L	1
11 September 1992	QL115	ND	0.0004	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8020					
Analyte : 1,2-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
14 September 1992	QL146	ND	0.0004	mg/L	1
14 September 1992	RL146	ND	0.0004	mg/L	1
20 September 1992	QL204	ND	0.0004	mg/L	1
20 September 1992	RL204	ND	0.0004	mg/L	1
21 September 1992	QL215	ND	0.0004	mg/L	1
21 September 1992	RL215	ND	0.0004	mg/L	1
22 September 1992	RL224	ND	0.0004	mg/L	1
22 September 1992	QL224	ND	0.0004	mg/L	1
24 September 1992	QL245	ND	0.0004	mg/L	1
24 September 1992	RL245	ND	0.0004	mg/L	1
25 September 1992	QL256	ND	0.0004	mg/L	1
25 September 1992	RL256	ND	0.0004	mg/L	1
30 September 1992	RL3013	ND	0.0004	mg/L	1
30 September 1992	QL3013	ND	0.0004	mg/L	1
1 October 1992	SL014	ND	0.0004	mg/L	1
1 October 1992	TL014	ND	0.0004	mg/L	1
7 October 1992	SL067	ND	0.0004	mg/L	1
7 October 1992	TL067	ND	0.0004	mg/L	1
8 October 1992	TL089	ND	0.0004	mg/L	1
8 October 1992	SL089	ND	0	mg/L	0
12 October 1992	TL127	ND	0.0004	mg/L	1
12 October 1992	SL127	ND	0.0004	mg/L	1
16 October 1992	TL165	ND	0.0004	mg/L	1
16 October 1992	SL165	ND	0.0004	mg/L	1

Total Number of Blanks = 36

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0004

Method : SW8020

Analyte : 1,2-Dichlorobenzene

Type of Blank : Trip Blank

8 August 1992	PL820	ND	0.0004	mg/L	1
10 August 1992	PL922	ND	0.0004	mg/L	1
10 August 1992	PL916	ND	0.0004	mg/L	1
11 August 1992	PL1017	ND	0.0004	mg/L	1
12 September 1992	RL1116	ND	0.0004	mg/L	1
15 September 1992	RL1414	ND	0.0004	mg/L	1
21 September 1992	RL2013	ND	0.0004	mg/L	1
22 September 1992	RL2113	ND	0.0004	mg/L	1
22 September 1992	RL2116	ND	0.0004	mg/L	1
24 September 1992	RL2413	ND	0.0004	mg/L	1
25 September 1992	RL2512	ND	0.0004	mg/L	1
25 September 1992	RL2511	ND	0.0004	mg/L	1
29 September 1992	RL2813	ND	0.0004	mg/L	1
30 September 1992	RL3026	ND	0.0004	mg/L	1
30 September 1992	RL3017	ND	0.0004	mg/L	1
1 October 1992	TL017	ND	0.0004	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
<hr/>					
Method : SW8020					
Analyte : 1,2-Dichlorobenzene, cont.					
Type of Blank : Trip Blank					
1 October 1992	TL018	ND	0.0004	mg/L	1
8 October 1992	TL0812	ND	0.0004	mg/L	1
9 October 1992	TL0820	ND	0.0004	mg/L	1
12 October 1992	TL128	ND	0.0004	mg/L	1
13 October 1992	TL1215	ND	0.0004	mg/L	1
13 October 1992	TL1216	ND	0.0004	mg/L	1
17 October 1992	TL1617	ND	0.0004	mg/L	1
<hr/>					
Total Number of Blanks = 23		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0004			
<hr/>					
Method : SW8020					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Ambient Conditions Blank					
12 September 1992	RL1115	ND	0.4	ug/L	1
15 September 1992	RL1412	ND	0.4	ug/L	1
21 September 1992	RL2015	ND	0.4	ug/L	1
30 September 1992	RL3023	ND	0.4	ug/L	1
<hr/>					
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.4			
<hr/>					
Method : SW8020					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Equipment Blank					
11 August 1992	PL1019	ND	0.4	ug/L	1
11 August 1992	PL1021	ND	0.8	ug/L	2
21 August 1992	PL2110	ND	0.4	ug/L	1
12 September 1992	RL1113	ND	0.4	ug/L	1
14 September 1992	RL1411	ND	0.4	ug/L	1
15 September 1992	RL1413	ND	0.4	ug/L	1
21 September 1992	RL2012	ND	0.4	ug/L	1
1 October 1992	RL3027	ND	0.4	ug/L	1
<hr/>					
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.8			
<hr/>					
Method : SW8020					
Analyte : 1,2-Dichlorobenzene					
Type of Blank : Method Blank					
8 August 1992	PL811	ND	0.4	ug/L	1
8 August 1992	OL811	ND	0.4	ug/L	1
10 August 1992	PL910	ND	0.4	ug/L	1
10 August 1992	OL910	ND	0.4	ug/L	1
11 August 1992	PL109	ND	0.4	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : 1,2-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
11 August 1992	OL109	ND	0.4	ug/L	1
22 August 1992	PL2113	ND	0.4	ug/L	1
30 August 1992	PI308	ND	0.4	ug/L	1
31 August 1992	PP3112	ND	0.4	ug/L	1
31 August 1992	PI315	ND	0.4	ug/L	1
11 September 1992	RL115	ND	0.4	ug/L	1
11 September 1992	QL115	ND	0.4	ug/L	1
14 September 1992	QL146	ND	0.4	ug/L	1
14 September 1992	RL146	ND	0.4	ug/L	1
20 September 1992	RL204	ND	0.4	ug/L	1
20 September 1992	QL204	ND	0.4	ug/L	1
21 September 1992	RL215	ND	0.4	ug/L	1
21 September 1992	QL215	ND	0.4	ug/L	1
22 September 1992	RL224	ND	0.4	ug/L	1
22 September 1992	QL224	ND	0.4	ug/L	1
24 September 1992	RL245	ND	0.4	ug/L	1
24 September 1992	QL245	ND	0.4	ug/L	1
25 September 1992	RL256	ND	0.4	ug/L	1
25 September 1992	QL256	ND	0.4	ug/L	1
30 September 1992	RL3013	ND	0.4	ug/L	1
30 September 1992	QL3013	ND	0.4	ug/L	1
1 October 1992	TL014	ND	0.4	ug/L	1
1 October 1992	SL014	ND	0.4	ug/L	1
7 October 1992	SL067	ND	0.4	ug/L	1
7 October 1992	TL067	ND	0.4	ug/L	1
8 October 1992	TL089	ND	0.4	ug/L	1
8 October 1992	SL089	ND	0	ug/L	0
12 October 1992	SL127	ND	0.4	ug/L	1
12 October 1992	TL127	ND	0.4	ug/L	1
16 October 1992	SL165	ND	0.4	ug/L	1
16 October 1992	TL165	ND	0.4	ug/L	1

Total Number of Blanks = 36

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.4

Method : SW8020  
 Analyte : 1,2-Dichlorobenzene  
 Type of Blank : Trip Blank

8 August 1992	PL820	ND	0.4	ug/L	1
10 August 1992	PL916	ND	0.4	ug/L	1
10 August 1992	PL922	ND	0.4	ug/L	1
11 August 1992	PL1017	ND	0.4	ug/L	1
12 September 1992	RL1116	ND	0.4	ug/L	1
15 September 1992	RL1414	ND	0.4	ug/L	1
21 September 1992	RL2013	ND	0.4	ug/L	1
22 September 1992	RL2113	ND	0.4	ug/L	1
22 September 1992	RL2116	ND	0.4	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : 1,2-Dichlorobenzene, cont.					
Type of Blank : Trip Blank					
24 September 1992	RL2413	ND	0.4	ug/L	1
25 September 1992	RL2512	ND	0.4	ug/L	1
25 September 1992	RL2511	ND	0.4	ug/L	1
29 September 1992	RL2813	ND	0.4	ug/L	1
30 September 1992	RL3017	ND	0.4	ug/L	1
30 September 1992	RL3026	ND	0.4	ug/L	1
1 October 1992	TL017	ND	0.4	ug/L	1
1 October 1992	TL018	ND	0.4	ug/L	1
8 October 1992	TL0812	ND	0.4	ug/L	1
9 October 1992	TL0820	ND	0.4	ug/L	1
12 October 1992	TL128	ND	0.4	ug/L	1
13 October 1992	TL1216	ND	0.4	ug/L	1
13 October 1992	TL1215	ND	0.4	ug/L	1
17 October 1992	TL1617	ND	0.4	ug/L	1

Total Number of Blanks = 23

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.4

Method : SW8020  
 Analyte : 1,3-Dichlorobenzene  
 Type of Blank : Ambient Conditions Blank

12 September 1992	RL1115	ND	0.0002	mg/L	1
15 September 1992	RL1412	ND	0.0002	mg/L	1
21 September 1992	RL2015	ND	0.0002	mg/L	1
30 September 1992	RL3023	ND	0.0002	mg/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0002

Method : SW8020  
 Analyte : 1,3-Dichlorobenzene  
 Type of Blank : Equipment Blank

11 August 1992	PL1019	ND	0.0002	mg/L	1
11 August 1992	PL1021	ND	0.0004	mg/L	2
21 August 1992	PL2110	ND	0.0002	mg/L	1
12 September 1992	RL1113	ND	0.0002	mg/L	1
14 September 1992	RL1411	ND	0.0002	mg/L	1
15 September 1992	RL1413	ND	0.0002	mg/L	1
21 September 1992	RL2012	ND	0.0002	mg/L	1
1 October 1992	RL3027	ND	0.0002	mg/L	1

Total Number of Blanks = 8

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0004

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : 1,3-Dichlorobenzene					
Type of Blank : Method Blank					
8 August 1992	OL811	ND	0.0002	mg/L	1
8 August 1992	PL811	ND	0.0002	mg/L	1
10 August 1992	OL910	ND	0.0002	mg/L	1
10 August 1992	PL910	ND	0.0002	mg/L	1
11 August 1992	PL109	ND	0.0002	mg/L	1
11 August 1992	OL109	ND	0.0002	mg/L	1
22 August 1992	PL2113	ND	0.0002	mg/L	1
30 August 1992	PI308	ND	0.0002	mg/L	1
31 August 1992	PP3112	ND	0.0002	mg/L	1
31 August 1992	PI315	0.00022	0.0002	mg/L	1
11 September 1992	RL115	ND	0.0002	mg/L	1
11 September 1992	QL115	ND	0.0002	mg/L	1
14 September 1992	RL146	ND	0.0002	mg/L	1
14 September 1992	QL146	ND	0.0002	mg/L	1
20 September 1992	QL204	ND	0.0002	mg/L	1
20 September 1992	RL204	ND	0.0002	mg/L	1
21 September 1992	QL215	ND	0.0002	mg/L	1
21 September 1992	RL215	ND	0.0002	mg/L	1
22 September 1992	RL224	ND	0.0002	mg/L	1
22 September 1992	QL224	ND	0.0002	mg/L	1
24 September 1992	RL245	ND	0.0002	mg/L	1
24 September 1992	QL245	ND	0.0002	mg/L	1
25 September 1992	QL256	ND	0.0002	mg/L	1
25 September 1992	RL256	ND	0.0002	mg/L	1
30 September 1992	QL3013	ND	0.0002	mg/L	1
30 September 1992	RL3013	ND	0.0002	mg/L	1
1 October 1992	SL014	ND	0.0002	mg/L	1
1 October 1992	TL014	ND	0.0002	mg/L	1
7 October 1992	TL067	ND	0.0002	mg/L	1
7 October 1992	SL067	ND	0.0002	mg/L	1
8 October 1992	TL089	ND	0.0002	mg/L	1
8 October 1992	SL089	ND	0	mg/L	0
12 October 1992	SL127	ND	0.0002	mg/L	1
12 October 1992	TL127	ND	0.0002	mg/L	1
16 October 1992	TL165	ND	0.0002	mg/L	1
16 October 1992	SL165	ND	0.0002	mg/L	1

Total Number of Blanks = 36

Total Number above Reporting Limit = 1

Concentration Range 0.00022 - 0.00022

Maximum Reporting Limit = 0.0002

Method : SW8020

Analyte : 1,3-Dichlorobenzene

Type of Blank : Trip Blank

8 August 1992	PL820	ND	0.0002	mg/L	1
10 August 1992	PL922	ND	0.0002	mg/L	1
10 August 1992	PL916	ND	0.0002	mg/L	1
11 August 1992	PL1017	ND	0.0002	mg/L	1



TABLE A-5

DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : 1,3-Dichlorobenzene, cont.					
Type of Blank : Trip Blank					
12 September 1992	RL1116	ND	0.0002	mg/L	1
15 September 1992	RL1414	ND	0.0002	mg/L	1
21 September 1992	RL2013	ND	0.0002	mg/L	1
22 September 1992	RL2113	ND	0.0002	mg/L	1
22 September 1992	RL2116	ND	0.0002	mg/L	1
24 September 1992	RL2413	ND	0.0002	mg/L	1
25 September 1992	RL2512	ND	0.0002	mg/L	1
25 September 1992	RL2511	ND	0.0002	mg/L	1
29 September 1992	RL2813	ND	0.0002	mg/L	1
30 September 1992	RL3026	ND	0.0002	mg/L	1
30 September 1992	RL3017	ND	0.0002	mg/L	1
1 October 1992	TL017	ND	0.0002	mg/L	1
1 October 1992	TL018	ND	0.0002	mg/L	1
8 October 1992	TL0812	ND	0.0002	mg/L	1
9 October 1992	TL0820	ND	0.0002	mg/L	1
12 October 1992	TL128	ND	0.0002	mg/L	1
13 October 1992	TL1215	ND	0.0002	mg/L	1
13 October 1992	TL1216	ND	0.0002	mg/L	1
17 October 1992	TL1617	ND	0.0002	mg/L	1

Total Number of Blanks = 23

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0002

Method : SW8020  
 Analyte : 1,3-Dichlorobenzene  
 Type of Blank : Ambient Conditions Blank

12 September 1992	RL1115	ND	0.2	ug/L	1
15 September 1992	RL1412	ND	0.2	ug/L	1
21 September 1992	RL2015	ND	0.2	ug/L	1
30 September 1992	RL3023	ND	0.2	ug/L	1

Total Number of Blanks = 4

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.2

Method : SW8020  
 Analyte : 1,3-Dichlorobenzene  
 Type of Blank : Equipment Blank

11 August 1992	PL1019	ND	0.2	ug/L	1
11 August 1992	PL1021	ND	0.4	ug/L	2
21 August 1992	PL2110	ND	0.2	ug/L	1
12 September 1992	RL1113	ND	0.2	ug/L	1
14 September 1992	RL1411	ND	0.2	ug/L	1
15 September 1992	RL1413	ND	0.2	ug/L	1
21 September 1992	RL2012	ND	0.2	ug/L	1
1 October 1992	RL3027	ND	0.2	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8020 Analyte : 1,3-Dichlorobenzene, cont. Type of Blank : Equipment Blank Total Number of Blanks = 8 Total Number above Reporting Limit = 0					
			Concentration Range	NC	
			Maximum Reporting Limit	= 0.4	
Method : SW8020 Analyte : 1,3-Dichlorobenzene Type of Blank : Method Blank					
8 August 1992	OL811	ND	0.2	ug/L	1
8 August 1992	PL811	ND	0.2	ug/L	1
10 August 1992	OL910	ND	0.2	ug/L	1
10 August 1992	PL910	ND	0.2	ug/L	1
11 August 1992	PL109	ND	0.2	ug/L	1
11 August 1992	OL109	ND	0.2	ug/L	1
22 August 1992	PL2113	ND	0.2	ug/L	1
30 August 1992	PI308	ND	0.2	ug/L	1
31 August 1992	PP3112	ND	0.2	ug/L	1
31 August 1992	PI315	0.22	0.2	ug/L	1
11 September 1992	QL115	ND	0.2	ug/L	1
11 September 1992	RL115	ND	0.2	ug/L	1
14 September 1992	RL146	ND	0.2	ug/L	1
14 September 1992	QL146	ND	0.2	ug/L	1
20 September 1992	RL204	ND	0.2	ug/L	1
20 September 1992	QL204	ND	0.2	ug/L	1
21 September 1992	RL215	ND	0.2	ug/L	1
21 September 1992	QL215	ND	0.2	ug/L	1
22 September 1992	RL224	ND	0.2	ug/L	1
22 September 1992	QL224	ND	0.2	ug/L	1
24 September 1992	QL245	ND	0.2	ug/L	1
24 September 1992	RL245	ND	0.2	ug/L	1
25 September 1992	QL256	ND	0.2	ug/L	1
25 September 1992	RL256	ND	0.2	ug/L	1
30 September 1992	QL3013	ND	0.2	ug/L	1
30 September 1992	RL3013	ND	0.2	ug/L	1
1 October 1992	SL014	ND	0.2	ug/L	1
1 October 1992	TL014	ND	0.2	ug/L	1
7 October 1992	SL067	ND	0.2	ug/L	1
7 October 1992	TL067	ND	0.2	ug/L	1
8 October 1992	TL089	ND	0.2	ug/L	1
8 October 1992	SL089	ND	0	ug/L	0
12 October 1992	TL127	ND	0.2	ug/L	1
12 October 1992	SL127	ND	0.2	ug/L	1
16 October 1992	SL165	ND	0.2	ug/L	1
16 October 1992	TL165	ND	0.2	ug/L	1
Total Number of Blanks = 36 Total Number above Reporting Limit = 1					
			Concentration Range	0.22 - 0.22	
			Maximum Reporting Limit	= 0.2	

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8020					
Analyte : 1,3-Dichlorobenzene					
Type of Blank : Trip Blank					
8 August 1992	PL820	ND	0.2	ug/L	1
10 August 1992	PL922	ND	0.2	ug/L	1
10 August 1992	PL916	ND	0.2	ug/L	1
11 August 1992	PL1017	ND	0.2	ug/L	1
12 September 1992	RL1116	ND	0.2	ug/L	1
15 September 1992	RL1414	ND	0.2	ug/L	1
21 September 1992	RL2013	ND	0.2	ug/L	1
22 September 1992	RL2113	ND	0.2	ug/L	1
22 September 1992	RL2116	ND	0.2	ug/L	1
24 September 1992	RL2413	ND	0.2	ug/L	1
25 September 1992	RL2512	ND	0.2	ug/L	1
25 September 1992	RL2511	ND	0.2	ug/L	1
29 September 1992	RL2813	ND	0.2	ug/L	1
30 September 1992	RL3017	ND	0.2	ug/L	1
30 September 1992	RL3026	ND	0.2	ug/L	1
1 October 1992	TL018	ND	0.2	ug/L	1
1 October 1992	TL017	ND	0.2	ug/L	1
8 October 1992	TL0812	ND	0.2	ug/L	1
9 October 1992	TL0820	ND	0.2	ug/L	1
12 October 1992	TL128	ND	0.2	ug/L	1
13 October 1992	TL1216	ND	0.2	ug/L	1
13 October 1992	TL1215	ND	0.2	ug/L	1
17 October 1992	TL1617	ND	0.2	ug/L	1
Total Number of Blanks = 23			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.2		
Method : SW8020					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Ambient Conditions Blank					
12 September 1992	RL1115	ND	0.0004	mg/L	1
15 September 1992	RL1412	ND	0.0004	mg/L	1
21 September 1992	RL2015	ND	0.0004	mg/L	1
30 September 1992	RL3023	ND	0.0004	mg/L	1
Total Number of Blanks = 4			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0004		
Method : SW8020					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Equipment Blank					
11 August 1992	PL1019	ND	0.0004	mg/L	1
11 August 1992	PL1021	ND	0.0008	mg/L	2
21 August 1992	PL2110	ND	0.0004	mg/L	1
12 September 1992	RL1113	ND	0.0004	mg/L	1
14 September 1992	RL1411	ND	0.0004	mg/L	1
15 September 1992	RL1413	ND	0.0004	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : 1,4-Dichlorobenzene, cont.					
Type of Blank : Equipment Blank					
21 September 1992	RL2012	ND	0.0004	mg/L	1
1 October 1992	RL3027	ND	0.0004	mg/L	1

Total Number of Blanks = 8

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0008

Method : SW8020					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Method Blank					
8 August 1992	OL811	ND	0.0004	mg/L	1
8 August 1992	PL811	ND	0.0004	mg/L	1
10 August 1992	OL910	ND	0.0004	mg/L	1
10 August 1992	PL910	ND	0.0004	mg/L	1
11 August 1992	OL109	ND	0.0004	mg/L	1
11 August 1992	PL109	ND	0.0004	mg/L	1
22 August 1992	PL2113	ND	0.0004	mg/L	1
30 August 1992	PI308	ND	0.0004	mg/L	1
31 August 1992	PI315	ND	0.0004	mg/L	1
31 August 1992	PP3112	ND	0.0004	mg/L	1
11 September 1992	RL115	ND	0.0004	mg/L	1
11 September 1992	QL115	ND	0.0004	mg/L	1
14 September 1992	QL146	ND	0.0004	mg/L	1
14 September 1992	RL146	ND	0.0004	mg/L	1
20 September 1992	QL204	ND	0.0004	mg/L	1
20 September 1992	RL204	ND	0.0004	mg/L	1
21 September 1992	RL215	ND	0.0004	mg/L	1
21 September 1992	QL215	ND	0.0004	mg/L	1
22 September 1992	QL224	ND	0.0004	mg/L	1
22 September 1992	RL224	ND	0.0004	mg/L	1
24 September 1992	RL245	ND	0.0004	mg/L	1
24 September 1992	QL245	ND	0.0004	mg/L	1
25 September 1992	RL256	ND	0.0004	mg/L	1
25 September 1992	QL256	ND	0.0004	mg/L	1
30 September 1992	RL3013	ND	0.0004	mg/L	1
30 September 1992	QL3013	ND	0.0004	mg/L	1
1 October 1992	TL014	ND	0.0004	mg/L	1
1 October 1992	SL014	ND	0.0004	mg/L	1
7 October 1992	TL067	ND	0.0004	mg/L	1
7 October 1992	SL067	ND	0.0004	mg/L	1
8 October 1992	TL089	ND	0.0004	mg/L	1
8 October 1992	SL089	ND	0	mg/L	0
12 October 1992	TL127	ND	0.0004	mg/L	1
12 October 1992	SL127	ND	0.0004	mg/L	1
16 October 1992	TL165	ND	0.0004	mg/L	1
16 October 1992	SL165	ND	0.0004	mg/L	1

Total Number of Blanks = 36

Concentration Range NC

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8020					
Analyte : 1,4-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0004		
Method : SW8020					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Trip Blank					
8 August 1992	PL820	ND	0.0004	mg/L	1
10 August 1992	PL922	ND	0.0004	mg/L	1
10 August 1992	PL916	ND	0.0004	mg/L	1
11 August 1992	PL1017	ND	0.0004	mg/L	1
12 September 1992	RL1116	ND	0.0004	mg/L	1
15 September 1992	RL1414	ND	0.0004	mg/L	1
21 September 1992	RL2013	ND	0.0004	mg/L	1
22 September 1992	RL2113	ND	0.0004	mg/L	1
22 September 1992	RL2116	ND	0.0004	mg/L	1
24 September 1992	RL2413	ND	0.0004	mg/L	1
25 September 1992	RL2512	ND	0.0004	mg/L	1
25 September 1992	RL2511	ND	0.0004	mg/L	1
29 September 1992	RL2813	ND	0.0004	mg/L	1
30 September 1992	RL3017	ND	0.0004	mg/L	1
30 September 1992	RL3026	ND	0.0004	mg/L	1
1 October 1992	TL017	ND	0.0004	mg/L	1
1 October 1992	TL018	ND	0.0004	mg/L	1
8 October 1992	TL0812	ND	0.0004	mg/L	1
9 October 1992	TL0820	ND	0.0004	mg/L	1
12 October 1992	TL128	ND	0.0004	mg/L	1
13 October 1992	TL1215	ND	0.0004	mg/L	1
13 October 1992	TL1216	ND	0.0004	mg/L	1
17 October 1992	TL1617	ND	0.0004	mg/L	1
-----					
Total Number of Blanks = 23			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0004		
Method : SW8020					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Ambient Conditions Blank					
12 September 1992	RL1115	ND	0.4	ug/L	1
15 September 1992	RL1412	ND	0.4	ug/L	1
21 September 1992	RL2015	ND	0.4	ug/L	1
30 September 1992	RL3023	ND	0.4	ug/L	1
-----					
Total Number of Blanks = 4			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.4		

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8020					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Equipment Blank					
11 August 1992	PL1019	ND	0.4	ug/L	1
11 August 1992	PL1021	ND	0.8	ug/L	2
21 August 1992	PL2110	ND	0.4	ug/L	1
12 September 1992	RL1113	ND	0.4	ug/L	1
14 September 1992	RL1411	ND	0.4	ug/L	1
15 September 1992	RL1413	ND	0.4	ug/L	1
21 September 1992	RL2012	ND	0.4	ug/L	1
1 October 1992	RL3027	ND	0.4	ug/L	1

Total Number of Blanks = 8

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.8

Method : SW8020					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Method Blank					
8 August 1992	PL811	ND	0.4	ug/L	1
8 August 1992	OL811	ND	0.4	ug/L	1
10 August 1992	OL910	ND	0.4	ug/L	1
10 August 1992	PL910	ND	0.4	ug/L	1
11 August 1992	PL109	ND	0.4	ug/L	1
11 August 1992	OL109	ND	0.4	ug/L	1
22 August 1992	PL2113	ND	0.4	ug/L	1
30 August 1992	PI308	ND	0.4	ug/L	1
31 August 1992	PI315	ND	0.4	ug/L	1
31 August 1992	PP3112	ND	0.4	ug/L	1
11 September 1992	QL115	ND	0.4	ug/L	1
11 September 1992	RL115	ND	0.4	ug/L	1
14 September 1992	RL146	ND	0.4	ug/L	1
14 September 1992	QL146	ND	0.4	ug/L	1
20 September 1992	QL204	ND	0.4	ug/L	1
20 September 1992	RL204	ND	0.4	ug/L	1
21 September 1992	QL215	ND	0.4	ug/L	1
21 September 1992	RL215	ND	0.4	ug/L	1
22 September 1992	RL224	ND	0.4	ug/L	1
22 September 1992	QL224	ND	0.4	ug/L	1
24 September 1992	RL245	ND	0.4	ug/L	1
24 September 1992	QL245	ND	0.4	ug/L	1
25 September 1992	RL256	ND	0.4	ug/L	1
25 September 1992	QL256	ND	0.4	ug/L	1
30 September 1992	RL3013	ND	0.4	ug/L	1
30 September 1992	QL3013	ND	0.4	ug/L	1
1 October 1992	SL014	ND	0.4	ug/L	1
1 October 1992	TL014	ND	0.4	ug/L	1
7 October 1992	TL067	ND	0.4	ug/L	1
7 October 1992	SL067	ND	0.4	ug/L	1
8 October 1992	TL089	ND	0.4	ug/L	1
8 October 1992	SL089	ND	0	ug/L	0

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : 1,4-Dichlorobenzene, cont.					
Type of Blank : Method Blank					
12 October 1992	SL127	ND	0.4	ug/L	1
12 October 1992	TL127	ND	0.4	ug/L	1
16 October 1992	SL165	ND	0.4	ug/L	1
16 October 1992	TL165	ND	0.4	ug/L	1

Total Number of Blanks = 36

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.4

Method : SW8020					
Analyte : 1,4-Dichlorobenzene					
Type of Blank : Trip Blank					
8 August 1992	PL820	ND	0.4	ug/L	1
10 August 1992	PL916	ND	0.4	ug/L	1
10 August 1992	PL922	ND	0.4	ug/L	1
11 August 1992	PL1017	ND	0.4	ug/L	1
12 September 1992	RL1116	ND	0.4	ug/L	1
15 September 1992	RL1414	ND	0.4	ug/L	1
21 September 1992	RL2013	ND	0.4	ug/L	1
22 September 1992	RL2113	ND	0.4	ug/L	1
22 September 1992	RL2116	ND	0.4	ug/L	1
24 September 1992	RL2413	ND	0.4	ug/L	1
25 September 1992	RL2512	ND	0.4	ug/L	1
25 September 1992	RL2511	ND	0.4	ug/L	1
29 September 1992	RL2813	ND	0.4	ug/L	1
30 September 1992	RL3017	ND	0.4	ug/L	1
30 September 1992	RL3026	ND	0.4	ug/L	1
1 October 1992	TL018	ND	0.4	ug/L	1
1 October 1992	TL017	ND	0.4	ug/L	1
8 October 1992	TL0812	ND	0.4	ug/L	1
9 October 1992	TL0820	ND	0.4	ug/L	1
12 October 1992	TL128	ND	0.4	ug/L	1
13 October 1992	TL1215	ND	0.4	ug/L	1
13 October 1992	TL1216	ND	0.4	ug/L	1
17 October 1992	TL1617	ND	0.4	ug/L	1

Total Number of Blanks = 23

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.4

Method : SW8020					
Analyte : Benzene					
Type of Blank : Ambient Conditions Blank					
12 September 1992	RL1115	ND	0.0003	mg/L	1
15 September 1992	RL1412	ND	0.0003	mg/L	1
21 September 1992	RL2015	ND	0.0003	mg/L	1
30 September 1992	RL3023	0.0003	0.0003	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8020					
Analyte : Benzene, cont.					
Type of Blank : Ambient Conditions Blank					
Total Number of Blanks = 4			Concentration Range 0.00030 - 0.00030		
Total Number above Reporting Limit = 1			Maximum Reporting Limit = 0.0003		
Method : SW8020					
Analyte : Benzene					
Type of Blank : Equipment Blank					
11 August 1992	PL1019	ND	0.0003	mg/L	1
11 August 1992	PL1021	ND	0.0006	mg/L	2
21 August 1992	PL2110	ND	0.0003	mg/L	1
12 September 1992	RL1113	ND	0.0003	mg/L	1
14 September 1992	RL1411	ND	0.0003	mg/L	1
15 September 1992	RL1413	ND	0.0003	mg/L	1
21 September 1992	RL2012	ND	0.0003	mg/L	1
1 October 1992	RL3027	ND	0.0003	mg/L	1
-----					
Total Number of Blanks = 8			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0006		
Method : SW8020					
Analyte : Benzene					
Type of Blank : Method Blank					
8 August 1992	OL811	ND	0.0003	mg/L	1
8 August 1992	PL811	ND	0.0003	mg/L	1
10 August 1992	OL910	ND	0.0003	mg/L	1
10 August 1992	PL910	ND	0.0003	mg/L	1
11 August 1992	PL109	ND	0.0003	mg/L	1
11 August 1992	OL109	ND	0.0003	mg/L	1
22 August 1992	PL2113	ND	0.0003	mg/L	1
30 August 1992	PI308	ND	0.0003	mg/L	1
31 August 1992	PI315	ND	0.0003	mg/L	1
31 August 1992	PP3112	ND	0.0003	mg/L	1
11 September 1992	RL115	ND	0.0003	mg/L	1
11 September 1992	QL115	ND	0.0003	mg/L	1
14 September 1992	QL146	ND	0.0003	mg/L	1
14 September 1992	RL146	ND	0.0003	mg/L	1
20 September 1992	QL204	ND	0.0003	mg/L	1
20 September 1992	RL204	ND	0.0003	mg/L	1
21 September 1992	QL215	ND	0.0003	mg/L	1
21 September 1992	RL215	ND	0.0003	mg/L	1
22 September 1992	QL224	ND	0.0003	mg/L	1
22 September 1992	RL224	ND	0.0003	mg/L	1
24 September 1992	RL245	ND	0.0003	mg/L	1
24 September 1992	QL245	ND	0.0003	mg/L	1
25 September 1992	RL256	ND	0.0003	mg/L	1
25 September 1992	QL256	ND	0.0003	mg/L	1
30 September 1992	QL3013	ND	0.0003	mg/L	1



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Benzene, cont.					
Type of Blank : Method Blank					
30 September 1992	RL3013	ND	0.0003	mg/L	1
1 October 1992	SL014	ND	0.0003	mg/L	1
1 October 1992	TL014	ND	0.0003	mg/L	1
7 October 1992	TL067	ND	0.0003	mg/L	1
7 October 1992	SL067	ND	0.0003	mg/L	1
8 October 1992	TL089	ND	0.0003	mg/L	1
8 October 1992	SL089	ND	0	mg/L	0
12 October 1992	SL127	ND	0.0003	mg/L	1
12 October 1992	TL127	ND	0.0003	mg/L	1
16 October 1992	TL165	ND	0.0003	mg/L	1
16 October 1992	SL165	ND	0.0003	mg/L	1

Total Number of Blanks = 36

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0003

Method : SW8020					
Analyte : Benzene					
Type of Blank : Trip Blank					
8 August 1992	PL820	ND	0.0003	mg/L	1
10 August 1992	PL916	ND	0.0003	mg/L	1
10 August 1992	PL922	ND	0.0003	mg/L	1
11 August 1992	PL1017	ND	0.0003	mg/L	1
12 September 1992	RL1116	ND	0.0003	mg/L	1
15 September 1992	RL1414	ND	0.0003	mg/L	1
21 September 1992	RL2013	ND	0.0003	mg/L	1
22 September 1992	RL2113	ND	0.0003	mg/L	1
22 September 1992	RL2116	ND	0.0003	mg/L	1
24 September 1992	RL2413	ND	0.0003	mg/L	1
25 September 1992	RL2512	ND	0.0003	mg/L	1
25 September 1992	RL2511	ND	0.0003	mg/L	1
29 September 1992	RL2813	ND	0.0003	mg/L	1
30 September 1992	RL3017	ND	0.0003	mg/L	1
30 September 1992	RL3026	ND	0.0003	mg/L	1
1 October 1992	TL017	ND	0.0003	mg/L	1
1 October 1992	TL018	ND	0.0003	mg/L	1
8 October 1992	TL0812	ND	0.0003	mg/L	1
9 October 1992	TL0820	ND	0.0003	mg/L	1
12 October 1992	TL128	ND	0.0003	mg/L	1
13 October 1992	TL1216	ND	0.0003	mg/L	1
13 October 1992	TL1215	ND	0.0003	mg/L	1
17 October 1992	TL1617	ND	0.0003	mg/L	1

Total Number of Blanks = 23

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0003

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Benzene					
Type of Blank : Ambient Conditions Blank					
12 September 1992	RL1115	ND	0.3	ug/L	1
15 September 1992	RL1412	ND	0.3	ug/L	1
21 September 1992	RL2015	ND	0.3	ug/L	1
30 September 1992	RL3023	0.3	0.3	ug/L	1
Total Number of Blanks = 4		Concentration Range 0.30 - 0.30			
Total Number above Reporting Limit = 1		Maximum Reporting Limit = 0.3			
Method : SW8020					
Analyte : Benzene					
Type of Blank : Equipment Blank					
11 August 1992	PL1019	ND	0.3	ug/L	1
11 August 1992	PL1021	ND	0.6	ug/L	2
21 August 1992	PL2110	ND	0.3	ug/L	1
12 September 1992	RL1113	ND	0.3	ug/L	1
14 September 1992	RL1411	ND	0.3	ug/L	1
15 September 1992	RL1413	ND	0.3	ug/L	1
21 September 1992	RL2012	ND	0.3	ug/L	1
1 October 1992	RL3027	ND	0.3	ug/L	1
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.6			
Method : SW8020					
Analyte : Benzene					
Type of Blank : Method Blank					
8 August 1992	PL811	ND	0.3	ug/L	1
8 August 1992	OL811	ND	0.3	ug/L	1
10 August 1992	PL910	ND	0.3	ug/L	1
10 August 1992	OL910	ND	0.3	ug/L	1
11 August 1992	PL109	ND	0.3	ug/L	1
11 August 1992	OL109	ND	0.3	ug/L	1
22 August 1992	PL2113	ND	0.3	ug/L	1
30 August 1992	PI308	ND	0.3	ug/L	1
31 August 1992	PI315	ND	0.3	ug/L	1
31 August 1992	PP3112	ND	0.3	ug/L	1
11 September 1992	QL115	ND	0.3	ug/L	1
11 September 1992	RL115	ND	0.3	ug/L	1
14 September 1992	QL146	ND	0.3	ug/L	1
14 September 1992	RL146	ND	0.3	ug/L	1
20 September 1992	RL204	ND	0.3	ug/L	1
20 September 1992	QL204	ND	0.3	ug/L	1
21 September 1992	QL215	ND	0.3	ug/L	1
21 September 1992	RL215	ND	0.3	ug/L	1
22 September 1992	QL224	ND	0.3	ug/L	1
22 September 1992	RL224	ND	0.3	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Benzene, cont.					
Type of Blank : Method Blank					
24 September 1992	QL245	ND	0.3	ug/L	1
24 September 1992	RL245	ND	0.3	ug/L	1
25 September 1992	QL256	ND	0.3	ug/L	1
25 September 1992	RL256	ND	0.3	ug/L	1
30 September 1992	RL3013	ND	0.3	ug/L	1
30 September 1992	QL3013	ND	0.3	ug/L	1
1 October 1992	SL014	ND	0.3	ug/L	1
1 October 1992	TL014	ND	0.3	ug/L	1
7 October 1992	TL067	ND	0.3	ug/L	1
7 October 1992	SL067	ND	0.3	ug/L	1
8 October 1992	TL089	ND	0.3	ug/L	1
8 October 1992	SL089	ND	0	ug/L	0
12 October 1992	SL127	ND	0.3	ug/L	1
12 October 1992	TL127	ND	0.3	ug/L	1
16 October 1992	SL165	ND	0.3	ug/L	1
16 October 1992	TL165	ND	0.3	ug/L	1

Total Number of Blanks = 36

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.3

Method : SW8020					
Analyte : Benzene					
Type of Blank : Trip Blank					
8 August 1992	PL820	ND	0.3	ug/L	1
10 August 1992	PL922	ND	0.3	ug/L	1
10 August 1992	PL916	ND	0.3	ug/L	1
11 August 1992	PL1017	ND	0.3	ug/L	1
12 September 1992	RL1116	ND	0.3	ug/L	1
15 September 1992	RL1414	ND	0.3	ug/L	1
21 September 1992	RL2013	ND	0.3	ug/L	1
22 September 1992	RL2113	ND	0.3	ug/L	1
22 September 1992	RL2116	ND	0.3	ug/L	1
24 September 1992	RL2413	ND	0.3	ug/L	1
25 September 1992	RL2512	ND	0.3	ug/L	1
25 September 1992	RL2511	ND	0.3	ug/L	1
29 September 1992	RL2813	ND	0.3	ug/L	1
30 September 1992	RL3026	ND	0.3	ug/L	1
30 September 1992	RL3017	ND	0.3	ug/L	1
1 October 1992	TL018	ND	0.3	ug/L	1
1 October 1992	TL017	ND	0.3	ug/L	1
8 October 1992	TL0812	ND	0.3	ug/L	1
9 October 1992	TL0820	ND	0.3	ug/L	1
12 October 1992	TL128	ND	0.3	ug/L	1
13 October 1992	TL1215	ND	0.3	ug/L	1
13 October 1992	TL1216	ND	0.3	ug/L	1
17 October 1992	TL1617	ND	0.3	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8020					
Analyte : Benzene, cont.					
Type of Blank : Trip Blank					
Total Number of Blanks = 23			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.3		
Method : SW8020					
Analyte : Chlorobenzene					
Type of Blank : Ambient Conditions Blank					
12 September 1992	RL1115	ND	0.0002	mg/L	1
15 September 1992	RL1412	ND	0.0002	mg/L	1
21 September 1992	RL2015	ND	0.0002	mg/L	1
30 September 1992	RL3023	ND	0.0002	mg/L	1
-----					
Total Number of Blanks = 4			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0002		
Method : SW8020					
Analyte : Chlorobenzene					
Type of Blank : Equipment Blank					
11 August 1992	PL1019	ND	0.0002	mg/L	1
11 August 1992	PL1021	ND	0.0004	mg/L	2
21 August 1992	PL2110	ND	0.0002	mg/L	1
12 September 1992	RL1113	ND	0.0002	mg/L	1
14 September 1992	RL1411	ND	0.0002	mg/L	1
15 September 1992	RL1413	ND	0.0002	mg/L	1
21 September 1992	RL2012	ND	0.0002	mg/L	1
1 October 1992	RL3027	ND	0.0002	mg/L	1
-----					
Total Number of Blanks = 8			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0004		
Method : SW8020					
Analyte : Chlorobenzene					
Type of Blank : Method Blank					
8 August 1992	PL811	ND	0.0002	mg/L	1
8 August 1992	OL811	ND	0.0002	mg/L	1
10 August 1992	OL910	ND	0.0002	mg/L	1
10 August 1992	PL910	ND	0.0002	mg/L	1
11 August 1992	PL109	ND	0.0002	mg/L	1
11 August 1992	OL109	ND	0.0002	mg/L	1
22 August 1992	PL2113	ND	0.0002	mg/L	1
30 August 1992	PI308	ND	0.0002	mg/L	1
31 August 1992	PP3112	ND	0.0002	mg/L	1
31 August 1992	PI315	ND	0.0002	mg/L	1
11 September 1992	QL115	ND	0.0002	mg/L	1
11 September 1992	RL115	ND	0.0002	mg/L	1
14 September 1992	RL146	ND	0.0002	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8020					
Analyte : Chlorobenzene, cont.					
Type of Blank : Method Blank					
14 September 1992	QL146	ND	0.0002	mg/L	1
20 September 1992	RL204	ND	0.0002	mg/L	1
20 September 1992	QL204	0.00024	0.0002	mg/L	1
21 September 1992	RL215	ND	0.0002	mg/L	1
21 September 1992	QL215	ND	0.0002	mg/L	1
22 September 1992	QL224	ND	0.0002	mg/L	1
22 September 1992	RL224	ND	0.0002	mg/L	1
24 September 1992	QL245	ND	0.0002	mg/L	1
24 September 1992	RL245	ND	0.0002	mg/L	1
25 September 1992	RL256	ND	0.0002	mg/L	1
25 September 1992	QL256	ND	0.0002	mg/L	1
30 September 1992	QL3013	ND	0.0002	mg/L	1
30 September 1992	RL3013	ND	0.0002	mg/L	1
1 October 1992	TL014	ND	0.0002	mg/L	1
1 October 1992	SL014	ND	0.0002	mg/L	1
7 October 1992	TL067	ND	0.0002	mg/L	1
7 October 1992	SL067	ND	0.0002	mg/L	1
8 October 1992	SL089	ND	0	mg/L	0
8 October 1992	TL089	ND	0.0002	mg/L	1
12 October 1992	TL127	ND	0.0002	mg/L	1
12 October 1992	SL127	ND	0.0002	mg/L	1
16 October 1992	TL165	ND	0.0002	mg/L	1
16 October 1992	SL165	ND	0.0002	mg/L	1

Total Number of Blanks = 36

Concentration Range 0.00024 - 0.00024

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.0002

Method : SW8020

Analyte : Chlorobenzene

Type of Blank : Trip Blank

8 August 1992	PL820	ND	0.0002	mg/L	1
10 August 1992	PL922	ND	0.0002	mg/L	1
10 August 1992	PL916	ND	0.0002	mg/L	1
11 August 1992	PL1017	ND	0.0002	mg/L	1
12 September 1992	RL1116	ND	0.0002	mg/L	1
15 September 1992	RL1414	ND	0.0002	mg/L	1
21 September 1992	RL2013	ND	0.0002	mg/L	1
22 September 1992	RL2113	ND	0.0002	mg/L	1
22 September 1992	RL2116	ND	0.0002	mg/L	1
24 September 1992	RL2413	ND	0.0002	mg/L	1
25 September 1992	RL2512	ND	0.0002	mg/L	1
25 September 1992	RL2511	ND	0.0002	mg/L	1
29 September 1992	RL2813	ND	0.0002	mg/L	1
30 September 1992	RL3026	ND	0.0002	mg/L	1
30 September 1992	RL3017	ND	0.0002	mg/L	1
1 October 1992	TL017	ND	0.0002	mg/L	1
1 October 1992	TL018	ND	0.0002	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Chlorobenzene, cont.					
Type of Blank : Trip Blank					
8 October 1992	TL0812	ND	0.0002	mg/L	1
9 October 1992	TL0820	ND	0.0002	mg/L	1
12 October 1992	TL128	ND	0.0002	mg/L	1
13 October 1992	TL1215	ND	0.0002	mg/L	1
13 October 1992	TL1216	ND	0.0002	mg/L	1
17 October 1992	TL1617	ND	0.0002	mg/L	1
Total Number of Blanks = 23		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0002			
Method : SW8020					
Analyte : Chlorobenzene					
Type of Blank : Ambient Conditions Blank					
12 September 1992	RL1115	ND	0.2	ug/L	1
15 September 1992	RL1412	ND	0.2	ug/L	1
21 September 1992	RL2015	ND	0.2	ug/L	1
30 September 1992	RL3023	ND	0.2	ug/L	1
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.2			
Method : SW8020					
Analyte : Chlorobenzene					
Type of Blank : Equipment Blank					
11 August 1992	PL1019	ND	0.2	ug/L	1
11 August 1992	PL1021	ND	0.4	ug/L	2
21 August 1992	PL2110	ND	0.2	ug/L	1
12 September 1992	RL1113	ND	0.2	ug/L	1
14 September 1992	RL1411	ND	0.2	ug/L	1
15 September 1992	RL1413	ND	0.2	ug/L	1
21 September 1992	RL2012	ND	0.2	ug/L	1
1 October 1992	RL3027	ND	0.2	ug/L	1
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.4			
Method : SW8020					
Analyte : Chlorobenzene					
Type of Blank : Method Blank					
8 August 1992	OL811	ND	0.2	ug/L	1
8 August 1992	PL811	ND	0.2	ug/L	1
10 August 1992	PL910	ND	0.2	ug/L	1
10 August 1992	OL910	ND	0.2	ug/L	1
11 August 1992	PL109	ND	0.2	ug/L	1
11 August 1992	OL109	ND	0.2	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Chlorobenzene, cont.					
Type of Blank : Method Blank					
22 August 1992	PL2113	ND	0.2	ug/L	1
30 August 1992	PI308	ND	0.2	ug/L	1
31 August 1992	PI315	ND	0.2	ug/L	1
31 August 1992	PP3112	ND	0.2	ug/L	1
11 September 1992	RL115	ND	0.2	ug/L	1
11 September 1992	QL115	ND	0.2	ug/L	1
14 September 1992	QL146	ND	0.2	ug/L	1
14 September 1992	RL146	ND	0.2	ug/L	1
20 September 1992	RL204	ND	0.2	ug/L	1
20 September 1992	QL204	0.24	0.2	ug/L	1
21 September 1992	RL215	ND	0.2	ug/L	1
21 September 1992	QL215	ND	0.2	ug/L	1
22 September 1992	RL224	ND	0.2	ug/L	1
22 September 1992	QL224	ND	0.2	ug/L	1
24 September 1992	RL245	ND	0.2	ug/L	1
24 September 1992	QL245	ND	0.2	ug/L	1
25 September 1992	QL256	ND	0.2	ug/L	1
25 September 1992	RL256	ND	0.2	ug/L	1
30 September 1992	QL3013	ND	0.2	ug/L	1
30 September 1992	RL3013	ND	0.2	ug/L	1
1 October 1992	SL014	ND	0.2	ug/L	1
1 October 1992	TL014	ND	0.2	ug/L	1
7 October 1992	SL067	ND	0.2	ug/L	1
7 October 1992	TL067	ND	0.2	ug/L	1
8 October 1992	TL089	ND	0.2	ug/L	1
8 October 1992	SL089	ND	0	ug/L	0
12 October 1992	TL127	ND	0.2	ug/L	1
12 October 1992	SL127	ND	0.2	ug/L	1
16 October 1992	TL165	ND	0.2	ug/L	1
16 October 1992	SL165	ND	0.2	ug/L	1

Total Number of Blanks = 36

Concentration Range 0.24 - 0.24

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.2

Method : SW8020

Analyte : Chlorobenzene

Type of Blank : Trip Blank

8 August 1992	PL820	ND	0.2	ug/L	1
10 August 1992	PL916	ND	0.2	ug/L	1
10 August 1992	PL922	ND	0.2	ug/L	1
11 August 1992	PL1017	ND	0.2	ug/L	1
12 September 1992	RL1116	ND	0.2	ug/L	1
15 September 1992	RL1414	ND	0.2	ug/L	1
21 September 1992	RL2013	ND	0.2	ug/L	1
22 September 1992	RL2113	ND	0.2	ug/L	1
22 September 1992	RL2116	ND	0.2	ug/L	1
24 September 1992	RL2413	ND	0.2	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----					
Method : SW8020					
Analyte : Chlorobenzene, cont.					
Type of Blank : Trip Blank					
25 September 1992	RL2512	ND	0.2	ug/L	1
25 September 1992	RL2511	ND	0.2	ug/L	1
29 September 1992	RL2813	ND	0.2	ug/L	1
30 September 1992	RL3026	ND	0.2	ug/L	1
30 September 1992	RL3017	ND	0.2	ug/L	1
1 October 1992	TL018	ND	0.2	ug/L	1
1 October 1992	TL017	ND	0.2	ug/L	1
8 October 1992	TL0812	ND	0.2	ug/L	1
9 October 1992	TL0820	ND	0.2	ug/L	1
12 October 1992	TL128	ND	0.2	ug/L	1
13 October 1992	TL1216	ND	0.2	ug/L	1
13 October 1992	TL1215	ND	0.2	ug/L	1
17 October 1992	TL1617	ND	0.2	ug/L	1
-----					
Total Number of Blanks = 23		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.2			
Method : SW8020					
Analyte : Ethylbenzene					
Type of Blank : Ambient Conditions Blank					
12 September 1992	RL1115	ND	0.0002	mg/L	1
15 September 1992	RL1412	ND	0.0002	mg/L	1
21 September 1992	RL2015	ND	0.0002	mg/L	1
30 September 1992	RL3023	ND	0.0002	mg/L	1
-----					
Total Number of Blanks = 4		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0002			
Method : SW8020					
Analyte : Ethylbenzene					
Type of Blank : Equipment Blank					
11 August 1992	PL1019	ND	0.0002	mg/L	1
11 August 1992	PL1021	ND	0.0004	mg/L	2
21 August 1992	PL2110	ND	0.0002	mg/L	1
12 September 1992	RL1113	ND	0.0002	mg/L	1
14 September 1992	RL1411	ND	0.0002	mg/L	1
15 September 1992	RL1413	ND	0.0002	mg/L	1
21 September 1992	RL2012	ND	0.0002	mg/L	1
1 October 1992	RL3027	ND	0.0002	mg/L	1
-----					
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0004			



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Ethylbenzene					
Type of Blank : Method Blank					
8 August 1992	PL811	ND	0.0002	mg/L	1
8 August 1992	OL811	ND	0.0002	mg/L	1
10 August 1992	OL910	ND	0.0002	mg/L	1
10 August 1992	PL910	ND	0.0002	mg/L	1
11 August 1992	OL109	ND	0.0002	mg/L	1
11 August 1992	PL109	ND	0.0002	mg/L	1
22 August 1992	PL2113	ND	0.0002	mg/L	1
30 August 1992	PI308	ND	0.0002	mg/L	1
31 August 1992	PI315	ND	0.0002	mg/L	1
31 August 1992	PP3112	ND	0.0002	mg/L	1
11 September 1992	RL115	ND	0.0002	mg/L	1
11 September 1992	QL115	ND	0.0002	mg/L	1
14 September 1992	QL146	ND	0.0002	mg/L	1
14 September 1992	RL146	ND	0.0002	mg/L	1
20 September 1992	QL204	ND	0.0002	mg/L	1
20 September 1992	RL204	ND	0.0002	mg/L	1
21 September 1992	QL215	ND	0.0002	mg/L	1
21 September 1992	RL215	ND	0.0002	mg/L	1
22 September 1992	QL224	ND	0.0002	mg/L	1
22 September 1992	RL224	ND	0.0002	mg/L	1
24 September 1992	RL245	ND	0.0002	mg/L	1
24 September 1992	QL245	ND	0.0002	mg/L	1
25 September 1992	RL256	ND	0.0002	mg/L	1
25 September 1992	QL256	ND	0.0002	mg/L	1
30 September 1992	QL3013	ND	0.0002	mg/L	1
30 September 1992	RL3013	ND	0.0002	mg/L	1
1 October 1992	TL014	ND	0.0002	mg/L	1
1 October 1992	SL014	ND	0.0002	mg/L	1
7 October 1992	TL067	ND	0.0002	mg/L	1
7 October 1992	SL067	ND	0.0002	mg/L	1
8 October 1992	TL089	ND	0.0002	mg/L	1
8 October 1992	SL089	ND	0	mg/L	0
12 October 1992	TL127	ND	0.0002	mg/L	1
12 October 1992	SL127	ND	0.0002	mg/L	1
16 October 1992	SL165	ND	0.0002	mg/L	1
16 October 1992	TL165	ND	0.0002	mg/L	1

Total Number of Blanks = 36

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0002

Method : SW8020

Analyte : Ethylbenzene

Type of Blank : Trip Blank

8 August 1992	PL820	ND	0.0002	mg/L	1
10 August 1992	PL916	ND	0.0002	mg/L	1
10 August 1992	PL922	ND	0.0002	mg/L	1
11 August 1992	PL1017	ND	0.0002	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8020					
Analyte : Ethylbenzene, cont.					
Type of Blank : Trip Blank					
12 September 1992	RL1116	ND	0.0002	mg/L	1
15 September 1992	RL1414	ND	0.0002	mg/L	1
21 September 1992	RL2013	ND	0.0002	mg/L	1
22 September 1992	RL2113	ND	0.0002	mg/L	1
22 September 1992	RL2116	ND	0.0002	mg/L	1
24 September 1992	RL2413	ND	0.0002	mg/L	1
25 September 1992	RL2512	ND	0.0002	mg/L	1
25 September 1992	RL2511	ND	0.0002	mg/L	1
29 September 1992	RL2813	ND	0.0002	mg/L	1
30 September 1992	RL3026	ND	0.0002	mg/L	1
30 September 1992	RL3017	ND	0.0002	mg/L	1
1 October 1992	TL018	ND	0.0002	mg/L	1
1 October 1992	TL017	ND	0.0002	mg/L	1
8 October 1992	TL0812	ND	0.0002	mg/L	1
9 October 1992	TL0820	ND	0.0002	mg/L	1
12 October 1992	TL128	ND	0.0002	mg/L	1
13 October 1992	TL1215	ND	0.0002	mg/L	1
13 October 1992	TL1216	ND	0.0002	mg/L	1
17 October 1992	TL1617	ND	0.0002	mg/L	1

Total Number of Blanks = 23

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.0002

Method : SW8020  
 Analyte : Ethylbenzene  
 Type of Blank : Ambient Conditions Blank

12 September 1992	RL1115	ND	0.2	ug/L	1
15 September 1992	RL1412	ND	0.2	ug/L	1
21 September 1992	RL2015	ND	0.2	ug/L	1
30 September 1992	RL3023	ND	0.2	ug/L	1

Total Number of Blanks = 4

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.2

Method : SW8020  
 Analyte : Ethylbenzene  
 Type of Blank : Equipment Blank

11 August 1992	PL1019	ND	0.2	ug/L	1
11 August 1992	PL1021	ND	0.4	ug/L	2
21 August 1992	PL2110	ND	0.2	ug/L	1
12 September 1992	RL1113	ND	0.2	ug/L	1
14 September 1992	RL1411	ND	0.2	ug/L	1
15 September 1992	RL1413	ND	0.2	ug/L	1
21 September 1992	RL2012	ND	0.2	ug/L	1
1 October 1992	RL3027	ND	0.2	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Ethylbenzene, cont.					
Type of Blank : Equipment Blank					
Total Number of Blanks = 8			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.4		
Method : SW8020					
Analyte : Ethylbenzene					
Type of Blank : Method Blank					
8 August 1992	PL811	ND	0.2	ug/L	1
8 August 1992	OL811	ND	0.2	ug/L	1
10 August 1992	OL910	ND	0.2	ug/L	1
10 August 1992	PL910	ND	0.2	ug/L	1
11 August 1992	OL109	ND	0.2	ug/L	1
11 August 1992	PL109	ND	0.2	ug/L	1
22 August 1992	PL2113	ND	0.2	ug/L	1
30 August 1992	PI308	ND	0.2	ug/L	1
31 August 1992	PI315	ND	0.2	ug/L	1
31 August 1992	PP3112	ND	0.2	ug/L	1
11 September 1992	RL115	ND	0.2	ug/L	1
11 September 1992	QL115	ND	0.2	ug/L	1
14 September 1992	RL146	ND	0.2	ug/L	1
14 September 1992	QL146	ND	0.2	ug/L	1
20 September 1992	QL204	ND	0.2	ug/L	1
20 September 1992	RL204	ND	0.2	ug/L	1
21 September 1992	QL215	ND	0.2	ug/L	1
21 September 1992	RL215	ND	0.2	ug/L	1
22 September 1992	RL224	ND	0.2	ug/L	1
22 September 1992	QL224	ND	0.2	ug/L	1
24 September 1992	RL245	ND	0.2	ug/L	1
24 September 1992	QL245	ND	0.2	ug/L	1
25 September 1992	RL256	ND	0.2	ug/L	1
25 September 1992	QL256	ND	0.2	ug/L	1
30 September 1992	QL3013	ND	0.2	ug/L	1
30 September 1992	RL3013	ND	0.2	ug/L	1
1 October 1992	TL014	ND	0.2	ug/L	1
1 October 1992	SL014	ND	0.2	ug/L	1
7 October 1992	SL067	ND	0.2	ug/L	1
7 October 1992	TL067	ND	0.2	ug/L	1
8 October 1992	SL089	ND	0	ug/L	0
8 October 1992	TL089	ND	0.2	ug/L	1
12 October 1992	TL127	ND	0.2	ug/L	1
12 October 1992	SL127	ND	0.2	ug/L	1
16 October 1992	TL165	ND	0.2	ug/L	1
16 October 1992	SL165	ND	0.2	ug/L	1
Total Number of Blanks = 36			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.2		

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8020					
Analyte : Ethylbenzene					
Type of Blank : Trip Blank					
8 August 1992	PL820	ND	0.2	ug/L	1
10 August 1992	PL922	ND	0.2	ug/L	1
10 August 1992	PL916	ND	0.2	ug/L	1
11 August 1992	PL1017	ND	0.2	ug/L	1
12 September 1992	RL1116	ND	0.2	ug/L	1
15 September 1992	RL1414	ND	0.2	ug/L	1
21 September 1992	RL2013	ND	0.2	ug/L	1
22 September 1992	RL2113	ND	0.2	ug/L	1
22 September 1992	RL2116	ND	0.2	ug/L	1
24 September 1992	RL2413	ND	0.2	ug/L	1
25 September 1992	RL2512	ND	0.2	ug/L	1
25 September 1992	RL2511	ND	0.2	ug/L	1
29 September 1992	RL2813	ND	0.2	ug/L	1
30 September 1992	RL3017	ND	0.2	ug/L	1
30 September 1992	RL3026	ND	0.2	ug/L	1
1 October 1992	TL018	ND	0.2	ug/L	1
1 October 1992	TL017	ND	0.2	ug/L	1
8 October 1992	TL0812	ND	0.2	ug/L	1
9 October 1992	TL0820	ND	0.2	ug/L	1
12 October 1992	TL128	ND	0.2	ug/L	1
13 October 1992	TL1215	ND	0.2	ug/L	1
13 October 1992	TL1216	ND	0.2	ug/L	1
17 October 1992	TL1617	ND	0.2	ug/L	1
-----					
Total Number of Blanks = 23		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.2			
Method : SW8020					
Analyte : Gasoline Range Organics					
Type of Blank : Ambient Conditions Blank					
12 September 1992	QL1115	0.17	0.1	mg/L	1
15 September 1992	QL1412	ND	0.1	mg/L	1
21 September 1992	QL2015	0.14	0.1	mg/L	1
30 September 1992	QL3023	ND	0.1	mg/L	1
-----					
Total Number of Blanks = 4		Concentration Range 0.14 - 0.17			
Total Number above Reporting Limit = 2		Maximum Reporting Limit = 0.1			
Method : SW8020					
Analyte : Gasoline Range Organics					
Type of Blank : Equipment Blank					
11 August 1992	OL1019	ND	0.1	mg/L	1
11 August 1992	OL2021	1.2	0.2	mg/L	2
21 August 1992	OL2110	ND	0.1	mg/L	1
12 September 1992	QL1113	0.15	0.1	mg/L	1
14 September 1992	QL1411	ND	0.1	mg/L	1
15 September 1992	QL1413	ND	0.1	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Gasoline Range Organics, cont.					
Type of Blank : Equipment Blank					
21 September 1992	QL2012	ND	0.1	mg/L	1
1 October 1992	QL3027	ND	0.1	mg/L	1

Total Number of Blanks = 8

Concentration Range 0.15 - 1.2

Total Number above Reporting Limit = 2

Maximum Reporting Limit = 0.1

Method : SW8020					
Analyte : Gasoline Range Organics					
Type of Blank : Method Blank					
8 August 1992	OL811	ND	0.1	mg/L	1
8 August 1992	PL811		0.1	mg/L	1
10 August 1992	PL910		0.1	mg/L	1
10 August 1992	OL910	ND	0.1	mg/L	1
11 August 1992	OL109	ND	0.1	mg/L	1
11 August 1992	PL109		0.1	mg/L	1
22 August 1992	PL2113		0.1	mg/L	1
11 September 1992	RL115		0.1	mg/L	1
11 September 1992	QL115	ND	0.1	mg/L	1
14 September 1992	RL146		0.1	mg/L	1
14 September 1992	QL146	ND	0.1	mg/L	1
20 September 1992	RL204		0.1	mg/L	1
20 September 1992	QL204	ND	0.1	mg/L	1
21 September 1992	QL215	ND	0.1	mg/L	1
21 September 1992	RL215		0.1	mg/L	1
22 September 1992	RL224		0.1	mg/L	1
22 September 1992	QL224	ND	0.1	mg/L	1
24 September 1992	RL245		0.1	mg/L	1
24 September 1992	QL245	ND	0.1	mg/L	1
25 September 1992	RL256		0.1	mg/L	1
25 September 1992	QL256	ND	0.1	mg/L	1
30 September 1992	RL3013		0.1	mg/L	1
30 September 1992	QL3013	ND	0.1	mg/L	1
1 October 1992	TL014		0.1	mg/L	1
1 October 1992	SL014	ND	0.1	mg/L	1
7 October 1992	TL067		0.1	mg/L	1
7 October 1992	SL067	ND	0.1	mg/L	1
8 October 1992	SL089	ND	0	mg/L	0
8 October 1992	TL089		0.1	mg/L	1
12 October 1992	SL127	ND	0.1	mg/L	1
12 October 1992	TL127		0.1	mg/L	1
16 October 1992	SL165	ND	0.1	mg/L	1
16 October 1992	TL165		0.1	mg/L	1

Total Number of Blanks = 33

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8020					
Analyte : Gasoline Range Organics					
Type of Blank : Trip Blank					
8 August 1992	OL820	ND	0.1	mg/L	1
10 August 1992	OL922	ND	0.1	mg/L	1
10 August 1992	OL916	ND	0.1	mg/L	1
11 August 1992	OL1017	ND	0.1	mg/L	1
12 September 1992	QL1116	ND	0.1	mg/L	1
15 September 1992	QL1414	ND	0.1	mg/L	1
21 September 1992	QL2013	ND	0.1	mg/L	1
22 September 1992	RL2113	ND	0.1	mg/L	1
22 September 1992	QL2116	ND	0.1	mg/L	1
24 September 1992	QL2413	ND	0.1	mg/L	1
25 September 1992	QL2512	ND	0.1	mg/L	1
25 September 1992	QL2511	ND	0.1	mg/L	1
29 September 1992	QL2813	ND	0.1	mg/L	1
30 September 1992	QL3026	ND	0.1	mg/L	1
30 September 1992	QL3017	ND	0.1	mg/L	1
1 October 1992	SL017	ND	0.1	mg/L	1
1 October 1992	SL018	ND	0.1	mg/L	1
8 October 1992	SL0812	ND	0.1	mg/L	1
9 October 1992	SL0820	ND	0.1	mg/L	1
12 October 1992	SL128	ND	0.1	mg/L	1
13 October 1992	SL1215	ND	0.1	mg/L	1
13 October 1992	SL1216	0.13	0.1	mg/L	1
17 October 1992	SL1617	ND	0.1	mg/L	1
-----					
Total Number of Blanks = 23		Concentration Range 0.13 - 0.13			
Total Number above Reporting Limit = 1		Maximum Reporting Limit = 0.1			
Method : SW8020					
Analyte : Gasoline Range Organics					
Type of Blank : Ambient Conditions Blank					
12 September 1992	QL1115	170	100	ug/L	1
15 September 1992	QL1412	ND	100	ug/L	1
21 September 1992	QL2015	140	100	ug/L	1
30 September 1992	QL3023	ND	100	ug/L	1
-----					
Total Number of Blanks = 4		Concentration Range 140.0 - 170.0			
Total Number above Reporting Limit = 2		Maximum Reporting Limit = 100			
Method : SW8020					
Analyte : Gasoline Range Organics					
Type of Blank : Equipment Blank					
11 August 1992	OL1019	ND	100	ug/L	1
11 August 1992	OL2021	1200	200	ug/L	2
21 August 1992	OL2110	ND	100	ug/L	1
12 September 1992	QL1113	150	100	ug/L	1
14 September 1992	QL1411	ND	100	ug/L	1
15 September 1992	QL1413	ND	100	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Gasoline Range Organics, cont.					
Type of Blank : Equipment Blank					
21 September 1992	QL2012	ND	100	ug/L	1
1 October 1992	QL3027	ND	100	ug/L	1

Total Number of Blanks = 8

Concentration Range 150.0 - 1200.0

Total Number above Reporting Limit = 2

Maximum Reporting Limit = 100

Method : SW8020					
Analyte : Gasoline Range Organics					
Type of Blank : Method Blank					
8 August 1992	PL811		100	ug/L	1
8 August 1992	OL811	ND	100	ug/L	1
10 August 1992	OL910	ND	100	ug/L	1
10 August 1992	PL910		100	ug/L	1
11 August 1992	PL109		100	ug/L	1
11 August 1992	OL109	ND	100	ug/L	1
22 August 1992	PL2113		100	ug/L	1
11 September 1992	QL115	ND	100	ug/L	1
11 September 1992	RL115		100	ug/L	1
14 September 1992	RL146		100	ug/L	1
14 September 1992	QL146	ND	100	ug/L	1
20 September 1992	RL204		100	ug/L	1
20 September 1992	QL204	ND	100	ug/L	1
21 September 1992	QL215	ND	100	ug/L	1
21 September 1992	RL215		100	ug/L	1
22 September 1992	QL224	ND	100	ug/L	1
22 September 1992	RL224		100	ug/L	1
24 September 1992	QL245	ND	100	ug/L	1
24 September 1992	RL245		100	ug/L	1
25 September 1992	RL256		100	ug/L	1
25 September 1992	QL256	ND	100	ug/L	1
30 September 1992	QL3013	ND	100	ug/L	1
30 September 1992	RL3013		100	ug/L	1
1 October 1992	SL014	ND	100	ug/L	1
1 October 1992	TL014		100	ug/L	1
7 October 1992	SL067	ND	100	ug/L	1
7 October 1992	TL067		100	ug/L	1
8 October 1992	SL089	ND	0	ug/L	0
8 October 1992	TL089		100	ug/L	1
12 October 1992	TL127		100	ug/L	1
12 October 1992	SL127	ND	100	ug/L	1
16 October 1992	SL165	ND	100	ug/L	1
16 October 1992	TL165		100	ug/L	1

Total Number of Blanks = 33

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 100

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Gasoline Range Organics					
Type of Blank : Trip Blank					
8 August 1992	OL820	ND	100	ug/L	1
10 August 1992	OL922	ND	100	ug/L	1
10 August 1992	OL916	ND	100	ug/L	1
11 August 1992	OL1017	ND	100	ug/L	1
12 September 1992	QL1116	ND	100	ug/L	1
15 September 1992	QL1414	ND	100	ug/L	1
21 September 1992	QL2013	ND	100	ug/L	1
22 September 1992	RL2113	ND	100	ug/L	1
22 September 1992	QL2116	ND	100	ug/L	1
24 September 1992	QL2413	ND	100	ug/L	1
25 September 1992	QL2512	ND	100	ug/L	1
25 September 1992	QL2511	ND	100	ug/L	1
29 September 1992	QL2813	ND	100	ug/L	1
30 September 1992	QL3026	ND	100	ug/L	1
30 September 1992	QL3017	ND	100	ug/L	1
1 October 1992	SL017	ND	100	ug/L	1
1 October 1992	SL018	ND	100	ug/L	1
8 October 1992	SL0812	ND	100	ug/L	1
9 October 1992	SL0820	ND	100	ug/L	1
12 October 1992	SL128	ND	100	ug/L	1
13 October 1992	SL1216	130	100	ug/L	1
13 October 1992	SL1215	ND	100	ug/L	1
17 October 1992	SL1617	ND	100	ug/L	1

Total Number of Blanks = 23

Concentration Range 130.0 - 130.0

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 100

Method : SW8020  
 Analyte : Toluene  
 Type of Blank : Ambient Conditions Blank

12 September 1992	RL1115	0.00078	0.0002	mg/L	1
15 September 1992	RL1412	ND	0.0002	mg/L	1
21 September 1992	RL2015	ND	0.0002	mg/L	1
30 September 1992	RL3023	0.00028	0.0002	mg/L	1

Total Number of Blanks = 4

Concentration Range 0.00028 - 0.00078

Total Number above Reporting Limit = 2

Maximum Reporting Limit = 0.0002

Method : SW8020  
 Analyte : Toluene  
 Type of Blank : Equipment Blank

11 August 1992	PL1019	ND	0.0002	mg/L	1
11 August 1992	PL1021	ND	0.0004	mg/L	2
21 August 1992	PL2110	ND	0.0002	mg/L	1
12 September 1992	RL1113	ND	0.0002	mg/L	1
14 September 1992	RL1411	ND	0.0002	mg/L	1
15 September 1992	RL1413	0.00029	0.0002	mg/L	1



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Toluene, cont.					
Type of Blank : Equipment Blank					
21 September 1992	RL2012	ND	0.0002	mg/L	1
1 October 1992	RL3027	ND	0.0002	mg/L	1

Total Number of Blanks = 8

Concentration Range 0.00029 - 0.00029

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.0004

Method : SW8020					
Analyte : Toluene					
Type of Blank : Method Blank					
8 August 1992	OL811	0.00056	0.0002	mg/L	1
8 August 1992	PL811	0.00052	0.0002	mg/L	1
10 August 1992	PL910	ND	0.0002	mg/L	1
10 August 1992	OL910	ND	0.0002	mg/L	1
11 August 1992	PL109	ND	0.0002	mg/L	1
11 August 1992	OL109	ND	0.0002	mg/L	1
22 August 1992	PL2113	ND	0.0002	mg/L	1
30 August 1992	PI308	ND	0.0002	mg/L	1
31 August 1992	PI315	ND	0.0002	mg/L	1
31 August 1992	PP3112	ND	0.0002	mg/L	1
11 September 1992	RL115	ND	0.0002	mg/L	1
11 September 1992	QL115	ND	0.0002	mg/L	1
14 September 1992	RL146	ND	0.0002	mg/L	1
14 September 1992	QL146	ND	0.0002	mg/L	1
20 September 1992	QL204	ND	0.0002	mg/L	1
20 September 1992	RL204	ND	0.0002	mg/L	1
21 September 1992	RL215	ND	0.0002	mg/L	1
21 September 1992	QL215	0.00024	0.0002	mg/L	1
22 September 1992	RL224	ND	0.0002	mg/L	1
22 September 1992	QL224	ND	0.0002	mg/L	1
24 September 1992	QL245	ND	0.0002	mg/L	1
24 September 1992	RL245	ND	0.0002	mg/L	1
25 September 1992	RL256	ND	0.0002	mg/L	1
25 September 1992	QL256	ND	0.0002	mg/L	1
30 September 1992	RL3013	ND	0.0002	mg/L	1
30 September 1992	QL3013	ND	0.0002	mg/L	1
1 October 1992	TL014	ND	0.0002	mg/L	1
1 October 1992	SL014	ND	0.0002	mg/L	1
7 October 1992	TL067	ND	0.0002	mg/L	1
7 October 1992	SL067	ND	0.0002	mg/L	1
8 October 1992	SL089	ND	0	mg/L	0
8 October 1992	TL089	ND	0.0002	mg/L	1
12 October 1992	SL127	ND	0.0002	mg/L	1
12 October 1992	TL127	ND	0.0002	mg/L	1
16 October 1992	TL165	ND	0.0002	mg/L	1
16 October 1992	SL165	ND	0.0002	mg/L	1

Total Number of Blanks = 36

Concentration Range 0.00024 - 0.00056

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----

Method : SW8020

Analyte : Toluene, cont.

Type of Blank : Method Blank

Total Number above Reporting Limit = 3

Maximum Reporting Limit = 0.0002

Method : SW8020

Analyte : Toluene

Type of Blank : Trip Blank

8 August 1992	PL820	0.00093	0.0002	mg/L	1
10 August 1992	PL916	0.00022	0.0002	mg/L	1
10 August 1992	PL922	0.00021	0.0002	mg/L	1
11 August 1992	PL1017	0.00025	0.0002	mg/L	1
12 September 1992	RL1116	ND	0.0002	mg/L	1
15 September 1992	RL1414	ND	0.0002	mg/L	1
21 September 1992	RL2013	ND	0.0002	mg/L	1
22 September 1992	RL2113	ND	0.0002	mg/L	1
22 September 1992	RL2116	ND	0.0002	mg/L	1
24 September 1992	RL2413	ND	0.0002	mg/L	1
25 September 1992	RL2512	ND	0.0002	mg/L	1
25 September 1992	RL2511	0.00021	0.0002	mg/L	1
29 September 1992	RL2813	ND	0.0002	mg/L	1
30 September 1992	RL3017	0.00021	0.0002	mg/L	1
30 September 1992	RL3026	0.00024	0.0002	mg/L	1
1 October 1992	TL018	ND	0.0002	mg/L	1
1 October 1992	TL017	ND	0.0002	mg/L	1
8 October 1992	TL0812	ND	0.0002	mg/L	1
9 October 1992	TL0820	ND	0.0002	mg/L	1
12 October 1992	TL128	ND	0.0002	mg/L	1
13 October 1992	TL1215	0.00024	0.0002	mg/L	1
13 October 1992	TL1216	0.00032	0.0002	mg/L	1
17 October 1992	TL1617	0.00038	0.0002	mg/L	1

Total Number of Blanks = 23

Concentration Range 0.00021 - 0.00093

Total Number above Reporting Limit = 10

Maximum Reporting Limit = 0.0002

Method : SW8020

Analyte : Toluene

Type of Blank : Ambient Conditions Blank

12 September 1992	RL1115	0.78	0.2	ug/L	1
15 September 1992	RL1412	ND	0.2	ug/L	1
21 September 1992	RL2015	ND	0.2	ug/L	1
30 September 1992	RL3023	0.28	0.2	ug/L	1

Total Number of Blanks = 4

Concentration Range 0.28 - 0.78

Total Number above Reporting Limit = 2

Maximum Reporting Limit = 0.2

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Toluene					
Type of Blank : Equipment Blank					
11 August 1992	PL1019	ND	0.2	ug/L	1
11 August 1992	PL1021	ND	0.4	ug/L	2
21 August 1992	PL2110	ND	0.2	ug/L	1
12 September 1992	RL1113	ND	0.2	ug/L	1
14 September 1992	RL1411	ND	0.2	ug/L	1
15 September 1992	RL1413	0.29	0.2	ug/L	1
21 September 1992	RL2012	ND	0.2	ug/L	1
1 October 1992	RL3027	ND	0.2	ug/L	1

Total Number of Blanks = 8

Concentration Range 0.29 - 0.29

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.4

Method : SW8020					
Analyte : Toluene					
Type of Blank : Method Blank					
8 August 1992	OL811	0.56	0.2	ug/L	1
8 August 1992	PL811	0.52	0.2	ug/L	1
10 August 1992	PL910	ND	0.2	ug/L	1
10 August 1992	OL910	ND	0.2	ug/L	1
11 August 1992	PL109	ND	0.2	ug/L	1
11 August 1992	OL109	ND	0.2	ug/L	1
22 August 1992	PL2113	ND	0.2	ug/L	1
30 August 1992	PI308	ND	0.2	ug/L	1
31 August 1992	PI315	ND	0.2	ug/L	1
31 August 1992	PP3112	ND	0.2	ug/L	1
11 September 1992	QL115	ND	0.2	ug/L	1
11 September 1992	RL115	ND	0.2	ug/L	1
14 September 1992	QL146	ND	0.2	ug/L	1
14 September 1992	RL146	ND	0.2	ug/L	1
20 September 1992	RL204	ND	0.2	ug/L	1
20 September 1992	QL204	ND	0.2	ug/L	1
21 September 1992	QL215	0.24	0.2	ug/L	1
21 September 1992	RL215	ND	0.2	ug/L	1
22 September 1992	RL224	ND	0.2	ug/L	1
22 September 1992	QL224	ND	0.2	ug/L	1
24 September 1992	RL245	ND	0.2	ug/L	1
24 September 1992	QL245	ND	0.2	ug/L	1
25 September 1992	QL256	ND	0.2	ug/L	1
25 September 1992	RL256	ND	0.2	ug/L	1
30 September 1992	RL3013	ND	0.2	ug/L	1
30 September 1992	QL3013	ND	0.2	ug/L	1
1 October 1992	TL014	ND	0.2	ug/L	1
1 October 1992	SL014	ND	0.2	ug/L	1
7 October 1992	TL067	ND	0.2	ug/L	1
7 October 1992	SL067	ND	0.2	ug/L	1
8 October 1992	SL089	ND	0	ug/L	0
8 October 1992	TL089	ND	0.2	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Toluene, cont.					
Type of Blank : Method Blank					
12 October 1992	TL127	ND	0.2	ug/L	1
12 October 1992	SL127	ND	0.2	ug/L	1
16 October 1992	TL165	ND	0.2	ug/L	1
16 October 1992	SL165	ND	0.2	ug/L	1

Total Number of Blanks = 36

Concentration Range 0.24 - 0.56

Total Number above Reporting Limit = 3

Maximum Reporting Limit = 0.2

Method : SW8020					
Analyte : Toluene					
Type of Blank : Trip Blank					
8 August 1992	PL820	0.93	0.2	ug/L	1
10 August 1992	PL916	0.22	0.2	ug/L	1
10 August 1992	PL922	0.21	0.2	ug/L	1
11 August 1992	PL1017	0.25	0.2	ug/L	1
12 September 1992	RL1116	ND	0.2	ug/L	1
15 September 1992	RL1414	ND	0.2	ug/L	1
21 September 1992	RL2013	ND	0.2	ug/L	1
22 September 1992	RL2113	ND	0.2	ug/L	1
22 September 1992	RL2116	ND	0.2	ug/L	1
24 September 1992	RL2413	ND	0.2	ug/L	1
25 September 1992	RL2512	ND	0.2	ug/L	1
25 September 1992	RL2511	0.21	0.2	ug/L	1
29 September 1992	RL2813	ND	0.2	ug/L	1
30 September 1992	RL3026	0.24	0.2	ug/L	1
30 September 1992	RL3017	0.21	0.2	ug/L	1
1 October 1992	TL018	ND	0.2	ug/L	1
1 October 1992	TL017	ND	0.2	ug/L	1
8 October 1992	TL0812	ND	0.2	ug/L	1
9 October 1992	TL0820	ND	0.2	ug/L	1
12 October 1992	TL128	ND	0.2	ug/L	1
13 October 1992	TL1215	0.24	0.2	ug/L	1
13 October 1992	TL1216	0.32	0.2	ug/L	1
17 October 1992	TL1617	0.38	0.2	ug/L	1

Total Number of Blanks = 23

Concentration Range 0.21 - 0.93

Total Number above Reporting Limit = 10

Maximum Reporting Limit = 0.2

Method : SW8020					
Analyte : Total xylenes					
Type of Blank : Ambient Conditions Blank					
12 September 1992	RL1115	0.00067	0.0003	mg/L	1
15 September 1992	RL1412	ND	0.0003	mg/L	1
21 September 1992	RL2015	ND	0.0003	mg/L	1
30 September 1992	RL3023	ND	0.0003	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8020					
Analyte : Total xylenes, cont.					
Type of Blank : Ambient Conditions Blank					
Total Number of Blanks = 4			Concentration Range 0.00067 - 0.00067		
Total Number above Reporting Limit = 1			Maximum Reporting Limit = 0.0003		
Method : SW8020					
Analyte : Total xylenes					
Type of Blank : Equipment Blank					
11 August 1992	PL1019	ND	0.0003	mg/L	1
11 August 1992	PL1021	ND	0.0006	mg/L	2
21 August 1992	PL2110	ND	0.0003	mg/L	1
12 September 1992	RL1113	ND	0.0003	mg/L	1
14 September 1992	RL1411	ND	0.0003	mg/L	1
15 September 1992	RL1413	ND	0.0003	mg/L	1
21 September 1992	RL2012	ND	0.0003	mg/L	1
1 October 1992	RL3027	ND	0.0003	mg/L	1
-----					
Total Number of Blanks = 8			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.0006		
Method : SW8020					
Analyte : Total xylenes					
Type of Blank : Method Blank					
8 August 1992	OL811	ND	0.0003	mg/L	1
8 August 1992	PL811	ND	0.0003	mg/L	1
10 August 1992	PL910	ND	0.0003	mg/L	1
10 August 1992	OL910	ND	0.0003	mg/L	1
11 August 1992	PL109	ND	0.0003	mg/L	1
11 August 1992	OL109	ND	0.0003	mg/L	1
22 August 1992	PL2113	ND	0.0003	mg/L	1
30 August 1992	PI308	ND	0.0003	mg/L	1
31 August 1992	PI315	ND	0.0003	mg/L	1
31 August 1992	PP3112	ND	0.0003	mg/L	1
11 September 1992	QL115	ND	0.0003	mg/L	1
11 September 1992	RL115	ND	0.0003	mg/L	1
14 September 1992	QL146	ND	0.0003	mg/L	1
14 September 1992	RL146	ND	0.0003	mg/L	1
20 September 1992	QL204	ND	0.0003	mg/L	1
20 September 1992	RL204	ND	0.0003	mg/L	1
21 September 1992	RL215	ND	0.0003	mg/L	1
21 September 1992	QL215	ND	0.0003	mg/L	1
22 September 1992	QL224	ND	0.0003	mg/L	1
22 September 1992	RL224	ND	0.0003	mg/L	1
24 September 1992	RL245	ND	0.0003	mg/L	1
24 September 1992	QL245	ND	0.0003	mg/L	1
25 September 1992	RL256	ND	0.0003	mg/L	1
25 September 1992	QL256	ND	0.0003	mg/L	1
30 September 1992	RL3013	ND	0.0003	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Total xylenes, cont.					
Type of Blank : Method Blank					
30 September 1992	QL3013	ND	0.0003	mg/L	1
1 October 1992	SL014	ND	0.0003	mg/L	1
1 October 1992	TL014	ND	0.0003	mg/L	1
7 October 1992	SL067	ND	0.0003	mg/L	1
7 October 1992	TL067	ND	0.0003	mg/L	1
8 October 1992	TL089	ND	0.0003	mg/L	1
8 October 1992	SL089	0.00031	0	mg/L	0
12 October 1992	TL127	ND	0.0003	mg/L	1
12 October 1992	SL127	ND	0.0003	mg/L	1
16 October 1992	TL165	ND	0.0003	mg/L	1
16 October 1992	SL165	ND	0.0003	mg/L	1

Total Number of Blanks = 36

Concentration Range 0.00031 - 0.00031

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.0003

Method : SW8020  
 Analyte : Total xylenes  
 Type of Blank : Trip Blank

8 August 1992	PL820	ND	0.0003	mg/L	1
10 August 1992	PL916	ND	0.0003	mg/L	1
10 August 1992	PL922	ND	0.0003	mg/L	1
11 August 1992	PL1017	ND	0.0003	mg/L	1
12 September 1992	RL1116	ND	0.0003	mg/L	1
15 September 1992	RL1414	ND	0.0003	mg/L	1
21 September 1992	RL2013	ND	0.0003	mg/L	1
22 September 1992	RL2113	ND	0.0003	mg/L	1
22 September 1992	RL2116	ND	0.0003	mg/L	1
24 September 1992	RL2413	ND	0.0003	mg/L	1
25 September 1992	RL2512	ND	0.0003	mg/L	1
25 September 1992	RL2511	ND	0.0003	mg/L	1
29 September 1992	RL2813	ND	0.0003	mg/L	1
30 September 1992	RL3026	ND	0.0003	mg/L	1
30 September 1992	RL3017	ND	0.0003	mg/L	1
1 October 1992	TL017	ND	0.0003	mg/L	1
1 October 1992	TL018	ND	0.0003	mg/L	1
8 October 1992	TL0812	ND	0.0003	mg/L	1
9 October 1992	TL0820	ND	0.0003	mg/L	1
12 October 1992	TL128	ND	0.0003	mg/L	1
13 October 1992	TL1215	ND	0.0003	mg/L	1
13 October 1992	TL1216	ND	0.0003	mg/L	1
17 October 1992	TL1617	ND	0.0003	mg/L	1

Total Number of Blanks = 23

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0003

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Total xylenes					
Type of Blank : Ambient Conditions Blank					
12 September 1992	RL1115	0.67	0.3	ug/L	1
15 September 1992	RL1412	ND	0.3	ug/L	1
21 September 1992	RL2015	ND	0.3	ug/L	1
30 September 1992	RL3023	ND	0.3	ug/L	1
Total Number of Blanks = 4		Concentration Range 0.67 - 0.67			
Total Number above Reporting Limit = 1		Maximum Reporting Limit = 0.3			
Method : SW8020					
Analyte : Total xylenes					
Type of Blank : Equipment Blank					
11 August 1992	PL1019	ND	0.3	ug/L	1
11 August 1992	PL1021	ND	0.6	ug/L	2
21 August 1992	PL2110	ND	0.3	ug/L	1
12 September 1992	RL1113	ND	0.3	ug/L	1
14 September 1992	RL1411	ND	0.3	ug/L	1
15 September 1992	RL1413	ND	0.3	ug/L	1
21 September 1992	RL2012	ND	0.3	ug/L	1
1 October 1992	RL3027	ND	0.3	ug/L	1
Total Number of Blanks = 8		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.6			
Method : SW8020					
Analyte : Total xylenes					
Type of Blank : Method Blank					
8 August 1992	OL811	ND	0.3	ug/L	1
8 August 1992	PL811	ND	0.3	ug/L	1
10 August 1992	PL910	ND	0.3	ug/L	1
10 August 1992	OL910	ND	0.3	ug/L	1
11 August 1992	PL109	ND	0.3	ug/L	1
11 August 1992	OL109	ND	0.3	ug/L	1
22 August 1992	PL2113	ND	0.3	ug/L	1
30 August 1992	PI308	ND	0.3	ug/L	1
31 August 1992	PI315	ND	0.3	ug/L	1
31 August 1992	PP3112	ND	0.3	ug/L	1
11 September 1992	RL115	ND	0.3	ug/L	1
11 September 1992	QL115	ND	0.3	ug/L	1
14 September 1992	QL146	ND	0.3	ug/L	1
14 September 1992	RL146	ND	0.3	ug/L	1
20 September 1992	QL204	ND	0.3	ug/L	1
20 September 1992	RL204	ND	0.3	ug/L	1
21 September 1992	QL215	ND	0.3	ug/L	1
21 September 1992	RL215	ND	0.3	ug/L	1
22 September 1992	RL224	ND	0.3	ug/L	1
22 September 1992	QL224	ND	0.3	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Total xylenes, cont.					
Type of Blank : Method Blank					
24 September 1992	RL245	ND	0.3	ug/L	1
24 September 1992	QL245	ND	0.3	ug/L	1
25 September 1992	RL256	ND	0.3	ug/L	1
25 September 1992	QL256	ND	0.3	ug/L	1
30 September 1992	RL3013	ND	0.3	ug/L	1
30 September 1992	QL3013	ND	0.3	ug/L	1
1 October 1992	TL014	ND	0.3	ug/L	1
1 October 1992	SL014	ND	0.3	ug/L	1
7 October 1992	SL067	ND	0.3	ug/L	1
7 October 1992	TL067	ND	0.3	ug/L	1
8 October 1992	TL089	ND	0.3	ug/L	1
8 October 1992	SL089	0.31	0	ug/L	0
12 October 1992	SL127	ND	0.3	ug/L	1
12 October 1992	TL127	ND	0.3	ug/L	1
16 October 1992	TL165	ND	0.3	ug/L	1
16 October 1992	SL165	ND	0.3	ug/L	1

Total Number of Blanks = 36

Concentration Range 0.31 - 0.31

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.3

Method : SW8020					
Analyte : Total xylenes					
Type of Blank : Trip Blank					
8 August 1992	PL820	ND	0.3	ug/L	1
10 August 1992	PL916	ND	0.3	ug/L	1
10 August 1992	PL922	ND	0.3	ug/L	1
11 August 1992	PL1017	ND	0.3	ug/L	1
12 September 1992	RL1116	ND	0.3	ug/L	1
15 September 1992	RL1414	ND	0.3	ug/L	1
21 September 1992	RL2013	ND	0.3	ug/L	1
22 September 1992	RL2113	ND	0.3	ug/L	1
22 September 1992	RL2116	ND	0.3	ug/L	1
24 September 1992	RL2413	ND	0.3	ug/L	1
25 September 1992	RL2512	ND	0.3	ug/L	1
25 September 1992	RL2511	ND	0.3	ug/L	1
29 September 1992	RL2813	ND	0.3	ug/L	1
30 September 1992	RL3026	ND	0.3	ug/L	1
30 September 1992	RL3017	ND	0.3	ug/L	1
1 October 1992	TL017	ND	0.3	ug/L	1
1 October 1992	TL018	ND	0.3	ug/L	1
8 October 1992	TL0812	ND	0.3	ug/L	1
9 October 1992	TL0820	ND	0.3	ug/L	1
12 October 1992	TL128	ND	0.3	ug/L	1
13 October 1992	TL1215	ND	0.3	ug/L	1
13 October 1992	TL1216	ND	0.3	ug/L	1
17 October 1992	TL1617	ND	0.3	ug/L	1



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8020					
Analyte : Total xylenes, cont.					
Type of Blank : Trip Blank					
Total Number of Blanks = 23			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.3		
Method : SW8080					
Analyte : 4,4'-DDD					
Type of Blank : Equipment Blank					
16 September 1992	B12I031	ND	0.000009	mg/L	0.961538
16 September 1992	A12I019	ND	0.000011	mg/L	1.086956
7 October 1992	K62JG19	ND	0.000009	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.000009	mg/L	0.970873
13 October 1992	K62JL23	ND	0.000011	mg/L	1.052631
13 October 1992	K62JL21	ND	0.000011	mg/L	1.104972
14 October 1992	P82JM48	ND	0.000011	mg/L	1.086956
16 October 1992	P82JP20	ND	0.000011	mg/L	1.136363
24 October 1992	P82JW24	ND	0.000009	mg/L	0.980392
Total Number of Blanks = 9			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.000011		
Method : SW8080					
Analyte : 4,4'-DDD					
Type of Blank : Method Blank					
2 September 1992	A12I814	0.000017	0.00001	mg/L	1
4 September 1992	A12I861	0.000015	0.00001	mg/L	1
15 September 1992	A12I014	ND	0.00001	mg/L	1
16 September 1992	A12I026	0.000014	0.00001	mg/L	1
7 October 1992	L62JG14	ND	0.00001	mg/L	1
7 October 1992	K62JG14	ND	0.00001	mg/L	1
10 October 1992	K62JJ14	ND	0.00001	mg/L	1
12 October 1992	K62JL14	ND	0.00001	mg/L	1
14 October 1992	P82JM42	ND	0.00001	mg/L	1
16 October 1992	P82JP14	ND	0.00001	mg/L	1
17 October 1992	P82JP58	ND	0.00001	mg/L	1
17 October 1992	P82JP38	ND	0.00001	mg/L	1
18 October 1992	P82JP82	0.000022	0.00001	mg/L	1
18 October 1992	P82JP91	ND	0.00001	mg/L	1
23 October 1992	P82JW14	ND	0.00001	mg/L	1
23 October 1992	O82JW14	ND	0.00001	mg/L	1
31 October 1992	A12J246	ND	0.00001	mg/L	1
3 November 1992	A12KB26	ND	0.00001	mg/L	1
3 November 1992	P82KC14	ND	0.00001	mg/L	1
4 November 1992	P82KC41	ND	0.00001	mg/L	1
4 November 1992	P82KC27	ND	0.00001	mg/L	1
Total Number of Blanks = 21			Concentration Range 0.00001 - 0.00002		
Total Number above Reporting Limit = 4			Maximum Reporting Limit = 0.00001		

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8080					
Analyte : 4,4'-DDD, cont.					
Type of Blank : Method Blank					
Method : SW8080					
Analyte : 4,4'-DDD					
Type of Blank : Equipment Blank					
16 September 1992	B12I031	ND	0.0096	ug/L	0.961538
16 September 1992	A12I019	ND	0.011	ug/L	1.086956
7 October 1992	K62JG19	ND	0.0097	ug/L	0.966183
10 October 1992	K62JJ20	ND	0.0097	ug/L	0.970873
13 October 1992	K62JL23	ND	0.011	ug/L	1.052631
13 October 1992	K62JL21	ND	0.011	ug/L	1.104972
14 October 1992	P82JM48	ND	0.011	ug/L	1.086956
16 October 1992	P82JP20	ND	0.011	ug/L	1.136363
24 October 1992	P82JW24	ND	0.0098	ug/L	0.980392

Total Number of Blanks = 9

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.011

Method : SW8080  
 Analyte : 4,4'-DDD  
 Type of Blank : Method Blank

2 September 1992	A12I814	0.017	0.01	ug/L	1
4 September 1992	A12I861	0.015	0.01	ug/L	1
15 September 1992	A12I014	ND	0.01	ug/L	1
16 September 1992	A12I026	0.014	0.01	ug/L	1
7 October 1992	K62JG14	ND	0.01	ug/L	1
7 October 1992	L62JG14	ND	0.01	ug/L	1
10 October 1992	K62JJ14	ND	0.01	ug/L	1
12 October 1992	K62JL14	ND	0.01	ug/L	1
14 October 1992	P82JM42	ND	0.01	ug/L	1
16 October 1992	P82JP14	ND	0.01	ug/L	1
17 October 1992	P82JP38	ND	0.01	ug/L	1
17 October 1992	P82JP58	ND	0.01	ug/L	1
18 October 1992	P82JP82	0.022	0.01	ug/L	1
18 October 1992	P82JP91	ND	0.01	ug/L	1
23 October 1992	P82JW14	ND	0.01	ug/L	1
23 October 1992	O82JW14	ND	0.01	ug/L	1
31 October 1992	A12J246	ND	0.01	ug/L	1
3 November 1992	A12KB26	ND	0.01	ug/L	1
3 November 1992	P82KC14	ND	0.01	ug/L	1
4 November 1992	P82KC41	ND	0.01	ug/L	1
4 November 1992	P82KC27	ND	0.01	ug/L	1

Total Number of Blanks = 21

Total Number above Reporting Limit = 4

Concentration Range 0.014 - 0.022

Maximum Reporting Limit = 0.01

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : 4,4'-DDE					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	0.000009	0.000009	mg/L	0.961538
16 September 1992	A12IO19	0.000012	0.000011	mg/L	1.086956
7 October 1992	K62JG19	ND	0.000009	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.000009	mg/L	0.970873
13 October 1992	K62JL23	ND	0.000011	mg/L	1.052631
13 October 1992	K62JL21	ND	0.000011	mg/L	1.104972
14 October 1992	P82JM48	ND	0.000011	mg/L	1.086956
16 October 1992	P82JP20	ND	0.000011	mg/L	1.136363
24 October 1992	P82JW24	ND	0.000009	mg/L	0.980392

Total Number of Blanks = 9

Total Number above Reporting Limit = 1

Concentration Range 0.00001 - 0.00001

Maximum Reporting Limit = 0.000011

Method : SW8080					
Analyte : 4,4'-DDE					
Type of Blank : Method Blank					
2 September 1992	A12IB14	0.000011	0.00001	mg/L	1
4 September 1992	A12IB61	0.000011	0.00001	mg/L	1
15 September 1992	A12IO14	0.00001	0.00001	mg/L	1
16 September 1992	A12IO26	0.000009	0.00001	mg/L	1
7 October 1992	L62JG14	ND	0.00001	mg/L	1
7 October 1992	K62JG14	ND	0.00001	mg/L	1
10 October 1992	K62JJ14	ND	0.00001	mg/L	1
12 October 1992	K62JL14	ND	0.00001	mg/L	1
14 October 1992	P82JM42	ND	0.00001	mg/L	1
16 October 1992	P82JP14	0.000014	0.00001	mg/L	1
17 October 1992	P82JP38	ND	0.00001	mg/L	1
17 October 1992	P82JP58	ND	0.00001	mg/L	1
18 October 1992	P82JP91	ND	0.00001	mg/L	1
18 October 1992	P82JP82	ND	0.00001	mg/L	1
23 October 1992	P82JW14	ND	0.00001	mg/L	1
23 October 1992	O82JW14	ND	0.00001	mg/L	1
31 October 1992	A12J246	ND	0.00001	mg/L	1
3 November 1992	A12KB26	ND	0.00001	mg/L	1
3 November 1992	P82KC14	ND	0.00001	mg/L	1
4 November 1992	P82KC41	ND	0.00001	mg/L	1
4 November 1992	P82KC27	ND	0.00001	mg/L	1

Total Number of Blanks = 21

Total Number above Reporting Limit = 4

Concentration Range 0.00001 - 0.00001

Maximum Reporting Limit = 0.00001

Method : SW8080					
Analyte : 4,4'-DDE					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	0.0094	0.0096	ug/L	0.961538
16 September 1992	A12IO19	0.012	0.011	ug/L	1.086956
7 October 1992	K62JG19	ND	0.0097	ug/L	0.966183

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : 4,4'-DDE, cont.					
Type of Blank : Equipment Blank					
10 October 1992	K62JJ20	ND	0.0097	ug/L	0.970873
13 October 1992	K62JL21	ND	0.011	ug/L	1.104972
13 October 1992	K62JL23	ND	0.011	ug/L	1.052631
14 October 1992	P82JM48	ND	0.011	ug/L	1.086956
16 October 1992	P82JP20	ND	0.011	ug/L	1.136363
24 October 1992	P82JW24	ND	0.0098	ug/L	0.980392

Total Number of Blanks = 9

Concentration Range 0.012 - 0.012

Total Number above Reporting Limit = 1

Maximum Reporting Limit = 0.011

Method : SW8080					
Analyte : 4,4'-DDE					
Type of Blank : Method Blank					
2 September 1992	A12IB14	0.011	0.01	ug/L	1
4 September 1992	A12IB61	0.011	0.01	ug/L	1
15 September 1992	A12IO14	0.01	0.01	ug/L	1
16 September 1992	A12IO26	0.0093	0.01	ug/L	1
7 October 1992	K62JG14	ND	0.01	ug/L	1
7 October 1992	L62JG14	ND	0.01	ug/L	1
10 October 1992	K62JJ14	ND	0.01	ug/L	1
12 October 1992	K62JL14	ND	0.01	ug/L	1
14 October 1992	P82JM42	ND	0.01	ug/L	1
16 October 1992	P82JP14	0.014	0.01	ug/L	1
17 October 1992	P82JP58	ND	0.01	ug/L	1
17 October 1992	P82JP38	ND	0.01	ug/L	1
18 October 1992	P82JP82	ND	0.01	ug/L	1
18 October 1992	P82JP91	ND	0.01	ug/L	1
23 October 1992	P82JW14	ND	0.01	ug/L	1
23 October 1992	O82JW14	ND	0.01	ug/L	1
31 October 1992	A12J246	ND	0.01	ug/L	1
3 November 1992	A12KB26	ND	0.01	ug/L	1
3 November 1992	P82KC14	ND	0.01	ug/L	1
4 November 1992	P82KC41	ND	0.01	ug/L	1
4 November 1992	P82KC27	ND	0.01	ug/L	1

Total Number of Blanks = 21

Concentration Range 0.010 - 0.014

Total Number above Reporting Limit = 4

Maximum Reporting Limit = 0.01

Method : SW8080					
Analyte : 4,4'-DDT					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	0.000001	0.000019	mg/L	0.961538
16 September 1992	A12IO19	0.000002	0.000022	mg/L	1.086956
7 October 1992	L62JG19	ND	0.000019	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.000019	mg/L	0.970873
13 October 1992	K62JL21	ND	0.000022	mg/L	1.104972

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

	DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method	: SW8080					
Analyte	: 4,4'-DDT, cont.					
Type of Blank	: Equipment Blank					
	13 October 1992	K62JL23	ND	0.000021	mg/L	1.052631
	14 October 1992	P82JM48	ND	0.000022	mg/L	1.086956
	16 October 1992	P82JP20	ND	0.000023	mg/L	1.136363
	24 October 1992	P82JW24	ND	0.00002	mg/L	0.980392
Total Number of Blanks = 9			Concentration Range NC			
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.000023			
Method	: SW8080					
Analyte	: 4,4'-DDT					
Type of Blank	: Method Blank					
	2 September 1992	A121B14	ND	0.00002	mg/L	1
	4 September 1992	A121B61	ND	0.00002	mg/L	1
	15 September 1992	A121O14	0	0.00002	mg/L	1
	16 September 1992	A121O26	ND	0.00002	mg/L	1
	7 October 1992	L62JG14	ND	0.00002	mg/L	1
	7 October 1992	K62JG14	0.000008	0.00002	mg/L	1
	10 October 1992	K62JJ14	ND	0.00002	mg/L	1
	12 October 1992	K62JL14	ND	0.00002	mg/L	1
	14 October 1992	P82JM42	ND	0.00002	mg/L	1
	16 October 1992	P82JP14	ND	0.00002	mg/L	1
	17 October 1992	P82JP38	ND	0.00002	mg/L	1
	17 October 1992	P82JP58	ND	0.00002	mg/L	1
	18 October 1992	P82JP82	ND	0.00002	mg/L	1
	18 October 1992	P82JP91	ND	0.00002	mg/L	1
	23 October 1992	P82JW14	ND	0.00002	mg/L	1
	23 October 1992	O82JW14	ND	0.00002	mg/L	1
	31 October 1992	A12J246	ND	0.00002	mg/L	1
	3 November 1992	A12KB26	0.000001	0.00002	mg/L	1
	3 November 1992	P82KC14	ND	0.00002	mg/L	1
	4 November 1992	P82KC41	ND	0.00002	mg/L	1
	4 November 1992	P82KC27	ND	0.00002	mg/L	1
Total Number of Blanks = 21			Concentration Range NC			
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.00002			
Method	: SW8080					
Analyte	: 4,4'-DDT					
Type of Blank	: Equipment Blank					
	16 September 1992	A121Q31	0.0011	0.019	ug/L	0.961538
	16 September 1992	A121O19	0.0026	0.022	ug/L	1.086956
	7 October 1992	L62JG19	ND	0.019	ug/L	0.966183
	10 October 1992	K62JJ20	ND	0.019	ug/L	0.970873
	13 October 1992	K62JL23	ND	0.021	ug/L	1.052631
	13 October 1992	K62JL21	ND	0.022	ug/L	1.104972
	14 October 1992	P82JM48	ND	0.022	ug/L	1.086956

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : 4,4'-DDT, cont.					
Type of Blank : Equipment Blank					
16 October 1992	P82JP20	ND	0.023	ug/L	1.136363
24 October 1992	P82JW24	ND	0.02	ug/L	0.980392
Total Number of Blanks = 9			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.023		
Method : SW8080					
Analyte : 4,4'-DDT					
Type of Blank : Method Blank					
2 September 1992	A12IB14	ND	0.02	ug/L	1
4 September 1992	A12IB61	ND	0.02	ug/L	1
15 September 1992	A12IO14	0.0005	0.02	ug/L	1
16 September 1992	A12IO26	ND	0.02	ug/L	1
7 October 1992	K62JG14	0.0089	0.02	ug/L	1
7 October 1992	L62JG14	ND	0.02	ug/L	1
10 October 1992	K62JJ14	ND	0.02	ug/L	1
12 October 1992	K62JL14	ND	0.02	ug/L	1
14 October 1992	P82JM42	ND	0.02	ug/L	1
16 October 1992	P82JP14	ND	0.02	ug/L	1
17 October 1992	P82JP58	ND	0.02	ug/L	1
17 October 1992	P82JP38	ND	0.02	ug/L	1
18 October 1992	P82JP91	ND	0.02	ug/L	1
18 October 1992	P82JP82	ND	0.02	ug/L	1
23 October 1992	P82JW14	ND	0.02	ug/L	1
23 October 1992	O82JW14	ND	0.02	ug/L	1
31 October 1992	A12J246	ND	0.02	ug/L	1
3 November 1992	A12KB26	0.0012	0.02	ug/L	1
3 November 1992	P82KC14	ND	0.02	ug/L	1
4 November 1992	P82KC41	ND	0.02	ug/L	1
4 November 1992	P82KC27	ND	0.02	ug/L	1
Total Number of Blanks = 21			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.02		
Method : SW8080					
Analyte : Aldrin					
Type of Blank : Equipment Blank					
16 September 1992	B12IO31	ND	0.000009	mg/L	0.961538
16 September 1992	A12IO19	ND	0.000011	mg/L	1.086956
7 October 1992	K62JG19	ND	0.000009	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.000009	mg/L	0.970873
13 October 1992	K62JL21	ND	0.000011	mg/L	1.104972
13 October 1992	K62JL23	ND	0.000011	mg/L	1.052631
14 October 1992	P82JM48	ND	0.000011	mg/L	1.086956
16 October 1992	P82JP20	ND	0.000011	mg/L	1.136363
24 October 1992	P82JW24	ND	0.000009	mg/L	0.980392

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----					
Method : SW8080					
Analyte : Aldrin, cont.					
Type of Blank : Equipment Blank					
-----					
Total Number of Blanks = 9		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.000011			
Method : SW8080					
Analyte : Aldrin					
Type of Blank : Method Blank					
2 September 1992	A121B14	0.000018	0.00001	mg/L	1
4 September 1992	A121B61	0.000019	0.00001	mg/L	1
15 September 1992	A121O14	ND	0.00001	mg/L	1
16 September 1992	A121O26	0.00002	0.00001	mg/L	1
7 October 1992	K62JG14	ND	0.00001	mg/L	1
7 October 1992	L62JG14	ND	0.00001	mg/L	1
10 October 1992	K62JJ14	ND	0.00001	mg/L	1
12 October 1992	K62JL14	ND	0.00001	mg/L	1
14 October 1992	P82JM42	ND	0.00001	mg/L	1
16 October 1992	P82JP14	ND	0.00001	mg/L	1
17 October 1992	P82JP58	0.000014	0.00001	mg/L	1
17 October 1992	P82JP38	ND	0.00001	mg/L	1
18 October 1992	P82JP82	ND	0.00001	mg/L	1
18 October 1992	P82JP91	0.000012	0.00001	mg/L	1
23 October 1992	P82JW14	ND	0.00001	mg/L	1
23 October 1992	O82JW14	ND	0.00001	mg/L	1
31 October 1992	A12J246	ND	0.00001	mg/L	1
3 November 1992	A12KB26	ND	0.00001	mg/L	1
3 November 1992	P82KC14	ND	0.00001	mg/L	1
4 November 1992	P82KC41	ND	0.00001	mg/L	1
4 November 1992	P82KC27	ND	0.00001	mg/L	1
-----					
Total Number of Blanks = 21		Concentration Range 0.00001 - 0.00002			
Total Number above Reporting Limit = 5		Maximum Reporting Limit = 0.00001			
Method : SW8080					
Analyte : Aldrin					
Type of Blank : Equipment Blank					
16 September 1992	B121O31	ND	0.0096	ug/L	0.961538
16 September 1992	A121O19	ND	0.011	ug/L	1.086956
7 October 1992	K62JG19	ND	0.0097	ug/L	0.966183
10 October 1992	K62JJ20	ND	0.0097	ug/L	0.970873
13 October 1992	K62JL23	ND	0.011	ug/L	1.052631
13 October 1992	K62JL21	ND	0.011	ug/L	1.104972
14 October 1992	P82JM48	ND	0.011	ug/L	1.086956
16 October 1992	P82JP20	ND	0.011	ug/L	1.136363
24 October 1992	P82JW24	ND	0.0098	ug/L	0.980392
-----					
Total Number of Blanks = 9		Concentration Range NC			

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8080 Analyte : Aldrin, cont. Type of Blank : Equipment Blank Total Number above Reporting Limit = 0      Maximum Reporting Limit = 0.011					
Method : SW8080 Analyte : Aldrin Type of Blank : Method Blank					
2 September 1992	A12IB14	0.018	0.01	ug/L	1
4 September 1992	A12IB61	0.019	0.01	ug/L	1
15 September 1992	A12IO14	ND	0.01	ug/L	1
16 September 1992	A12IO26	0.02	0.01	ug/L	1
7 October 1992	K62JG14	ND	0.01	ug/L	1
7 October 1992	L62JG14	ND	0.01	ug/L	1
10 October 1992	K62JJ14	ND	0.01	ug/L	1
12 October 1992	K62JL14	ND	0.01	ug/L	1
14 October 1992	P82JM42	ND	0.01	ug/L	1
16 October 1992	P82JP14	ND	0.01	ug/L	1
17 October 1992	P82JP58	0.014	0.01	ug/L	1
17 October 1992	P82JP38	ND	0.01	ug/L	1
18 October 1992	P82JP91	0.012	0.01	ug/L	1
18 October 1992	P82JP82	ND	0.01	ug/L	1
23 October 1992	P82JW14	ND	0.01	ug/L	1
23 October 1992	O82JW14	ND	0.01	ug/L	1
31 October 1992	A12J246	ND	0.01	ug/L	1
3 November 1992	A12KB26	ND	0.01	ug/L	1
3 November 1992	P82KC14	ND	0.01	ug/L	1
4 November 1992	P82KC41	ND	0.01	ug/L	1
4 November 1992	P82KC27	ND	0.01	ug/L	1
----- Total Number of Blanks = 21      Concentration Range 0.012 - 0.020 Total Number above Reporting Limit = 5      Maximum Reporting Limit = 0.01					
Method : SW8080 Analyte : Chlordane Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	ND	0.000048	mg/L	0.961538
16 September 1992	A12IO19	ND	0.000054	mg/L	1.086956
7 October 1992	K62JG19	ND	0.000048	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.000049	mg/L	0.970873
13 October 1992	K62JL23	ND	0.000053	mg/L	1.052631
13 October 1992	K62JL21	ND	0.000055	mg/L	1.104972
14 October 1992	P82JM48	ND	0.000054	mg/L	1.086956
16 October 1992	P82JP20	ND	0.000057	mg/L	1.136363
24 October 1992	P82JW24	ND	0.000049	mg/L	0.980392
----- Total Number of Blanks = 9      Concentration Range NC Total Number above Reporting Limit = 0      Maximum Reporting Limit = 0.000057					



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Chlordane					
Type of Blank : Method Blank					
2 September 1992	A121B14	ND	0.00005	mg/L	1
4 September 1992	A121B61	ND	0.00005	mg/L	1
15 September 1992	A121014	ND	0.00005	mg/L	1
15 September 1992	A121014	ND	0.00005	mg/L	1
16 September 1992	A121026	ND	0.00005	mg/L	1
7 October 1992	L62JG14	ND	0.00005	mg/L	1
7 October 1992	K62JG14	ND	0.00005	mg/L	1
10 October 1992	K62JJ14	ND	0.00005	mg/L	1
12 October 1992	K62JL14	ND	0.00005	mg/L	1
14 October 1992	P82JM42	ND	0.00005	mg/L	1
16 October 1992	P82JP14	ND	0.00005	mg/L	1
17 October 1992	P82JP38	ND	0.00005	mg/L	1
17 October 1992	P82JP58	ND	0.00005	mg/L	1
18 October 1992	P82JP91	ND	0.00005	mg/L	1
18 October 1992	P82JP82	ND	0.00005	mg/L	1
23 October 1992	P82JW14	ND	0.00005	mg/L	1
23 October 1992	O82JW14	ND	0.00005	mg/L	1
31 October 1992	A12J246	ND	0.00005	mg/L	1
3 November 1992	A12KB26	ND	0.00005	mg/L	1
3 November 1992	P82KC14	ND	0.00005	mg/L	1
4 November 1992	P82KC41	ND	0.00005	mg/L	1
4 November 1992	P82KC27	ND	0.00005	mg/L	1

Total Number of Blanks = 22

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.00005

Method : SW8080					
Analyte : Chlordane					
Type of Blank : Equipment Blank					
16 September 1992	A121Q31	ND	0.048	ug/L	0.961538
16 September 1992	A121019	ND	0.054	ug/L	1.086956
7 October 1992	K62JG19	ND	0.048	ug/L	0.966183
10 October 1992	K62JJ20	ND	0.049	ug/L	0.970873
13 October 1992	K62JL23	ND	0.053	ug/L	1.052631
13 October 1992	K62JL21	ND	0.055	ug/L	1.104972
14 October 1992	P82JM48	ND	0.054	ug/L	1.086956
16 October 1992	P82JP20	ND	0.057	ug/L	1.136363
24 October 1992	P82JW24	ND	0.049	ug/L	0.980392

Total Number of Blanks = 9

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.057

Method : SW8080					
Analyte : Chlordane					
Type of Blank : Method Blank					
2 September 1992	A121B14	ND	0.05	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Chlordane, cont.					
Type of Blank : Method Blank					
4 September 1992	A12IB61	ND	0.05	ug/L	1
15 September 1992	A12IO14	ND	0.05	ug/L	1
15 September 1992	A12IO14	ND	0.05	ug/L	1
16 September 1992	A12IO26	ND	0.05	ug/L	1
7 October 1992	L62JG14	ND	0.05	ug/L	1
7 October 1992	K62JG14	ND	0.05	ug/L	1
10 October 1992	K62JJ14	ND	0.05	ug/L	1
12 October 1992	K62JL14	ND	0.05	ug/L	1
14 October 1992	P82JM42	ND	0.05	ug/L	1
16 October 1992	P82JP14	ND	0.05	ug/L	1
17 October 1992	P82JP58	ND	0.05	ug/L	1
17 October 1992	P82JP38	ND	0.05	ug/L	1
18 October 1992	P82JP82	ND	0.05	ug/L	1
18 October 1992	P82JP91	ND	0.05	ug/L	1
23 October 1992	P82JW14	ND	0.05	ug/L	1
23 October 1992	O82JW14	ND	0.05	ug/L	1
31 October 1992	A12J246	ND	0.05	ug/L	1
3 November 1992	P82KC14	ND	0.05	ug/L	1
3 November 1992	A12KB26	ND	0.05	ug/L	1
4 November 1992	P82KC41	ND	0.05	ug/L	1
4 November 1992	P82KC27	ND	0.05	ug/L	1

Total Number of Blanks = 22

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.05

Method : SW8080					
Analyte : Dieldrin					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	0.000006	0.000009	mg/L	0.961538
16 September 1992	A12IO19	ND	0.000011	mg/L	1.086956
7 October 1992	K62JG19	ND	0.000009	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.000009	mg/L	0.970873
13 October 1992	K62JL23	ND	0.000011	mg/L	1.052631
13 October 1992	K62JL21	ND	0.000011	mg/L	1.104972
14 October 1992	P82JM48	ND	0.000011	mg/L	1.086956
16 October 1992	P82JP20	ND	0.000011	mg/L	1.136363
24 October 1992	P82JW24	ND	0.000009	mg/L	0.980392

Total Number of Blanks = 9

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.000011

Method : SW8080					
Analyte : Dieldrin					
Type of Blank : Method Blank					
2 September 1992	A12IB14	0.000008	0.00001	mg/L	1
4 September 1992	A12IB61	0.000007	0.00001	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8080					
Analyte : Dieldrin, cont.					
Type of Blank : Method Blank					
15 September 1992	A12I014	0.000007	0.00001	mg/L	1
16 September 1992	A12I026	0.000007	0.00001	mg/L	1
7 October 1992	K62JG14	ND	0.00001	mg/L	1
7 October 1992	L62JG14	ND	0.00001	mg/L	1
10 October 1992	K62JJ14	ND	0.00001	mg/L	1
12 October 1992	K62JL14	ND	0.00001	mg/L	1
14 October 1992	P82JM42	ND	0.00001	mg/L	1
16 October 1992	P82JP14	ND	0.00001	mg/L	1
17 October 1992	P82JP38	ND	0.00001	mg/L	1
17 October 1992	P82JP58	ND	0.00001	mg/L	1
18 October 1992	P82JP82	ND	0.00001	mg/L	1
18 October 1992	P82JP91	ND	0.00001	mg/L	1
23 October 1992	P82JW14	ND	0.00001	mg/L	1
23 October 1992	O82JW14	ND	0.00001	mg/L	1
31 October 1992	A12J246	ND	0.00001	mg/L	1
3 November 1992	P82KC14	ND	0.00001	mg/L	1
3 November 1992	A12KB26	ND	0.00001	mg/L	1
4 November 1992	P82KC41	ND	0.00001	mg/L	1
4 November 1992	P82KC27	ND	0.00001	mg/L	1
-----					
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.00001			
Method : SW8080					
Analyte : Dieldrin					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	0.0068	0.0096	ug/L	0.961538
16 September 1992	A12I019	ND	0.011	ug/L	1.086956
7 October 1992	K62JG19	ND	0.0097	ug/L	0.966183
10 October 1992	K62JJ20	ND	0.0097	ug/L	0.970873
13 October 1992	K62JL23	ND	0.011	ug/L	1.052631
13 October 1992	K62JL21	ND	0.011	ug/L	1.104972
14 October 1992	P82JM48	ND	0.011	ug/L	1.086956
16 October 1992	P82JP20	ND	0.011	ug/L	1.136363
24 October 1992	P82JW24	ND	0.0098	ug/L	0.980392
-----					
Total Number of Blanks = 9		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.011			
Method : SW8080					
Analyte : Dieldrin					
Type of Blank : Method Blank					
2 September 1992	A12IB14	0.0083	0.01	ug/L	1
4 September 1992	A12IB61	0.0073	0.01	ug/L	1
15 September 1992	A12I014	0.0071	0.01	ug/L	1
16 September 1992	A12I026	0.0075	0.01	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Dieldrin, cont.					
Type of Blank : Method Blank					
7 October 1992	L62JG14	ND	0.01	ug/L	1
7 October 1992	K62JG14	ND	0.01	ug/L	1
10 October 1992	K62JJ14	ND	0.01	ug/L	1
12 October 1992	K62JL14	ND	0.01	ug/L	1
14 October 1992	P82JM42	ND	0.01	ug/L	1
16 October 1992	P82JP14	ND	0.01	ug/L	1
17 October 1992	P82JP58	ND	0.01	ug/L	1
17 October 1992	P82JP38	ND	0.01	ug/L	1
18 October 1992	P82JP91	ND	0.01	ug/L	1
18 October 1992	P82JP82	ND	0.01	ug/L	1
23 October 1992	P82JW14	ND	0.01	ug/L	1
23 October 1992	O82JW14	ND	0.01	ug/L	1
31 October 1992	A12J246	ND	0.01	ug/L	1
3 November 1992	A12KB26	ND	0.01	ug/L	1
3 November 1992	P82KC14	ND	0.01	ug/L	1
4 November 1992	P82KC41	ND	0.01	ug/L	1
4 November 1992	P82KC27	ND	0.01	ug/L	1

Total Number of Blanks = 21

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.01

Method : SW8080					
Analyte : Endosulfan I					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	0.000003	0.000009	mg/L	0.961538
16 September 1992	B12IO19	ND	0.000011	mg/L	1.086956
7 October 1992	K62JG19	ND	0.000009	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.000009	mg/L	0.970873
13 October 1992	K62JL21	ND	0.000011	mg/L	1.104972
13 October 1992	K62JL23	ND	0.000011	mg/L	1.052631
14 October 1992	P82JM48	ND	0.000011	mg/L	1.086956
16 October 1992	P82JP20	ND	0.000011	mg/L	1.136363
24 October 1992	P82JW24	ND	0.000009	mg/L	0.980392

Total Number of Blanks = 9

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.000011

Method : SW8080					
Analyte : Endosulfan I					
Type of Blank : Method Blank					
2 September 1992	A12IB14	0.000006	0.00001	mg/L	1
4 September 1992	A12IB61	0.000004	0.00001	mg/L	1
15 September 1992	A12IO14	0.000044	0.00001	mg/L	1
16 September 1992	A12IO26	0.000002	0.00001	mg/L	1
7 October 1992	K62JG14	ND	0.00001	mg/L	1
7 October 1992	L62JG14	ND	0.00001	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Endosulfan I, cont.					
Type of Blank : Method Blank					
10 October 1992	K62JJ14	ND	0.00001	mg/L	1
12 October 1992	K62JL14	ND	0.00001	mg/L	1
14 October 1992	P82JM42	ND	0.00001	mg/L	1
16 October 1992	P82JP14	ND	0.00001	mg/L	1
17 October 1992	P82JP38	ND	0.00001	mg/L	1
17 October 1992	P82JP58	ND	0.00001	mg/L	1
18 October 1992	P82JP82	ND	0.00001	mg/L	1
18 October 1992	P82JP91	ND	0.00001	mg/L	1
23 October 1992	P82JW14	ND	0.00001	mg/L	1
23 October 1992	O82JW14	ND	0.00001	mg/L	1
31 October 1992	A12J246	ND	0.00001	mg/L	1
3 November 1992	P82KC14	ND	0.00001	mg/L	1
3 November 1992	A12KB26	ND	0.00001	mg/L	1
4 November 1992	P82KC41	ND	0.00001	mg/L	1
4 November 1992	P82KC27	ND	0.00001	mg/L	1

Total Number of Blanks = 21  
Total Number above Reporting Limit = 1

Concentration Range 0.00004 - 0.00004  
Maximum Reporting Limit = 0.00001

Method : SW8080					
Analyte : Endosulfan I					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	0.0034	0.0096	ug/L	0.961538
16 September 1992	B12IO19	ND	0.011	ug/L	1.086956
7 October 1992	K62JG19	ND	0.0097	ug/L	0.966183
10 October 1992	K62JJ20	ND	0.0097	ug/L	0.970873
13 October 1992	K62JL23	ND	0.011	ug/L	1.052631
13 October 1992	K62JL21	ND	0.011	ug/L	1.104972
14 October 1992	P82JM48	ND	0.011	ug/L	1.086956
16 October 1992	P82JP20	ND	0.011	ug/L	1.136363
24 October 1992	P82JW24	ND	0.0098	ug/L	0.980392

Total Number of Blanks = 9  
Total Number above Reporting Limit = 0

Concentration Range NC  
Maximum Reporting Limit = 0.011

Method : SW8080					
Analyte : Endosulfan I					
Type of Blank : Method Blank					
2 September 1992	A12IB14	0.0065	0.01	ug/L	1
4 September 1992	A12IB61	0.0045	0.01	ug/L	1
15 September 1992	A12IO14	0.044	0.01	ug/L	1
16 September 1992	A12IO26	0.0024	0.01	ug/L	1
7 October 1992	K62JG14	ND	0.01	ug/L	1
7 October 1992	L62JG14	ND	0.01	ug/L	1
10 October 1992	K62JJ14	ND	0.01	ug/L	1
12 October 1992	K62JL14	ND	0.01	ug/L	1

TABLE A-5

DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Endosulfan I, cont.					
Type of Blank : Method Blank					
14 October 1992	P82JM42	ND	0.01	ug/L	1
16 October 1992	P82JP14	ND	0.01	ug/L	1
17 October 1992	P82JP58	ND	0.01	ug/L	1
17 October 1992	P82JP38	ND	0.01	ug/L	1
18 October 1992	P82JP82	ND	0.01	ug/L	1
18 October 1992	P82JP91	ND	0.01	ug/L	1
23 October 1992	P82JW14	ND	0.01	ug/L	1
23 October 1992	082JW14	ND	0.01	ug/L	1
31 October 1992	A12J246	ND	0.01	ug/L	1
3 November 1992	A12KB26	ND	0.01	ug/L	1
3 November 1992	P82KC14	ND	0.01	ug/L	1
4 November 1992	P82KC41	ND	0.01	ug/L	1
4 November 1992	P82KC27	ND	0.01	ug/L	1
Total Number of Blanks = 21			Concentration Range 0.044 - 0.044		
Total Number above Reporting Limit = 1			Maximum Reporting Limit = 0.01		
Method : SW8080					
Analyte : Endosulfan II					
Type of Blank : Equipment Blank					
16 September 1992	B12I031	0.000005	0.000029	mg/L	0.961538
16 September 1992	B12I019	0.000005	0.000033	mg/L	1.086956
7 October 1992	K62JG19	ND	0.000029	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.000029	mg/L	0.970873
13 October 1992	K62JL23	ND	0.000032	mg/L	1.052631
13 October 1992	K62JL21	ND	0.000033	mg/L	1.104972
14 October 1992	P82JM48	0	0.000033	mg/L	1.086956
16 October 1992	P82JP20	0	0.000034	mg/L	1.136363
24 October 1992	P82JW24	ND	0.000029	mg/L	0.980392
Total Number of Blanks = 9			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.000033		
Method : SW8080					
Analyte : Endosulfan II					
Type of Blank : Method Blank					
2 September 1992	A12IB14	0.000033	0.00003	mg/L	1
4 September 1992	A12IB61	0.000018	0.00003	mg/L	1
15 September 1992	A12I014	0.000025	0.00003	mg/L	1
16 September 1992	A12I026	0.000017	0.00003	mg/L	1
7 October 1992	L62JG14	ND	0.00003	mg/L	1
7 October 1992	K62JG14	ND	0.00003	mg/L	1
10 October 1992	K62JJ14	ND	0.00003	mg/L	1
12 October 1992	K62JL14	ND	0.00003	mg/L	1
14 October 1992	P82JM42	ND	0.00003	mg/L	1
16 October 1992	P82JP14	ND	0.00003	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Endosulfan II, cont.					
Type of Blank : Method Blank					
17 October 1992	P82JP58	ND	0.00003	mg/L	1
17 October 1992	P82JP38	0	0.00003	mg/L	1
18 October 1992	P82JP91	ND	0.00003	mg/L	1
18 October 1992	P82JP82	ND	0.00003	mg/L	1
23 October 1992	P82JW14	ND	0.00003	mg/L	1
23 October 1992	082JW14	ND	0.00003	mg/L	1
31 October 1992	A12J246	ND	0.00003	mg/L	1
3 November 1992	P82KC14	ND	0.00003	mg/L	1
3 November 1992	A12KB26	ND	0.00003	mg/L	1
4 November 1992	P82KC41	ND	0.00003	mg/L	1
4 November 1992	P82KC27	ND	0.00003	mg/L	1

Total Number of Blanks = 21

Total Number above Reporting Limit = 1

Concentration Range 0.00003 - 0.00003

Maximum Reporting Limit = 0.00003

Method : SW8080					
Analyte : Endosulfan II					
Type of Blank : Equipment Blank					
16 September 1992	B121031	0.0056	0.029	ug/L	0.961538
16 September 1992	B121019	0.0059	0.033	ug/L	1.086956
7 October 1992	K62JG19	ND	0.029	ug/L	0.966183
10 October 1992	K62JJ20	ND	0.029	ug/L	0.970873
13 October 1992	K62JL23	ND	0.032	ug/L	1.052631
13 October 1992	K62JL21	ND	0.033	ug/L	1.104972
14 October 1992	P82JM48	0.0008	0.033	ug/L	1.086956
16 October 1992	P82JP20	0.0002	0.034	ug/L	1.136363
24 October 1992	P82JW24	ND	0.029	ug/L	0.980392

Total Number of Blanks = 9

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.033

Method : SW8080					
Analyte : Endosulfan II					
Type of Blank : Method Blank					
2 September 1992	A12IB14	0.033	0.03	ug/L	1
4 September 1992	A12IB61	0.018	0.03	ug/L	1
15 September 1992	A12IO14	0.025	0.03	ug/L	1
16 September 1992	A12IO26	0.017	0.03	ug/L	1
7 October 1992	K62JG14	ND	0.03	ug/L	1
7 October 1992	L62JG14	ND	0.03	ug/L	1
10 October 1992	K62JJ14	ND	0.03	ug/L	1
12 October 1992	K62JL14	ND	0.03	ug/L	1
14 October 1992	P82JM42	ND	0.03	ug/L	1
16 October 1992	P82JP14	ND	0.03	ug/L	1
17 October 1992	P82JP58	ND	0.03	ug/L	1
17 October 1992	P82JP38	0.0003	0.03	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8080					
Analyte : Endosulfan II, cont.					
Type of Blank : Method Blank					
18 October 1992	P82JP82	ND	0.03	ug/L	1
18 October 1992	P82JP91	ND	0.03	ug/L	1
23 October 1992	P82JW14	ND	0.03	ug/L	1
23 October 1992	082JW14	ND	0.03	ug/L	1
31 October 1992	A12J246	ND	0.03	ug/L	1
3 November 1992	P82KC14	ND	0.03	ug/L	1
3 November 1992	A12KB26	ND	0.03	ug/L	1
4 November 1992	P82KC41	ND	0.03	ug/L	1
4 November 1992	P82KC27	ND	0.03	ug/L	1
-----					
Total Number of Blanks = 21		Concentration Range 0.033 - 0.033			
Total Number above Reporting Limit = 1		Maximum Reporting Limit = 0.03			
Method : SW8080					
Analyte : Endosulfan Sulfate					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	ND	0.000048	mg/L	0.961538
16 September 1992	A12IO19	ND	0.000054	mg/L	1.086956
7 October 1992	L62JG19	0.000011	0.000048	mg/L	0.966183
10 October 1992	K62JJ20	0.000037	0.000049	mg/L	0.970873
13 October 1992	K62JL21	0.000054	0.000055	mg/L	1.104972
13 October 1992	K62JL23	0.00001	0.000053	mg/L	1.052631
14 October 1992	P82JM48	0.000007	0.000054	mg/L	1.086956
16 October 1992	P82JP20	0.000009	0.000057	mg/L	1.136363
24 October 1992	P82JW24	0.000016	0.000049	mg/L	0.980392
-----					
Total Number of Blanks = 9		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.000054			
Method : SW8080					
Analyte : Endosulfan Sulfate					
Type of Blank : Method Blank					
2 September 1992	A12IB14	ND	0.00005	mg/L	1
4 September 1992	A12IB61	ND	0.00005	mg/L	1
15 September 1992	A12IO14	ND	0.00005	mg/L	1
16 September 1992	A12IO26	ND	0.00005	mg/L	1
7 October 1992	L62JG14	0.000005	0.00005	mg/L	1
7 October 1992	K62JG14	ND	0.00005	mg/L	1
10 October 1992	K62JJ14	0.000009	0.00005	mg/L	1
12 October 1992	K62JL14	0.000011	0.00005	mg/L	1
14 October 1992	P82JM42	0.000024	0.00005	mg/L	1
16 October 1992	P82JP14	0.00002	0.00005	mg/L	1
17 October 1992	P82JP38	0.000007	0.00005	mg/L	1
17 October 1992	P82JP58	0.000018	0.00005	mg/L	1
18 October 1992	P82JP91	0.000018	0.00005	mg/L	1
18 October 1992	P82JP82	0.000017	0.00005	mg/L	1



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8080					
Analyte : Endosulfan Sulfate, cont.					
Type of Blank : Method Blank					
23 October 1992	P82JW14	0.000011	0.00005	mg/L	1
23 October 1992	082JW14	ND	0.00005	mg/L	1
31 October 1992	A12J246	ND	0.00005	mg/L	1
3 November 1992	P82KC14	ND	0.00005	mg/L	1
3 November 1992	P82KC14	0.000002	0.00005	mg/L	1
3 November 1992	A12KB26	ND	0.00005	mg/L	1
4 November 1992	P82KC41	0.000005	0.00005	mg/L	1
4 November 1992	P82KC27	0.000004	0.00005	mg/L	1

Total Number of Blanks = 22

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00005

Method : SW8080					
Analyte : Endosulfan Sulfate					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	ND	0.048	ug/L	0.961538
16 September 1992	A12IO19	ND	0.054	ug/L	1.086956
7 October 1992	L62JG19	0.011	0.048	ug/L	0.966183
10 October 1992	K62JJ20	0.037	0.049	ug/L	0.970873
13 October 1992	K62JL21	0.054	0.055	ug/L	1.104972
13 October 1992	K62JL23	0.01	0.053	ug/L	1.052631
14 October 1992	P82JM48	0.0075	0.054	ug/L	1.086956
16 October 1992	P82JP20	0.0091	0.057	ug/L	1.136363
24 October 1992	P82JW24	0.016	0.049	ug/L	0.980392

Total Number of Blanks = 9

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.054

Method : SW8080					
Analyte : Endosulfan Sulfate					
Type of Blank : Method Blank					
2 September 1992	A12IB14	ND	0.05	ug/L	1
4 September 1992	A12IB61	ND	0.05	ug/L	1
15 September 1992	A12IO14	ND	0.05	ug/L	1
16 September 1992	A12IO26	ND	0.05	ug/L	1
7 October 1992	K62JG14	ND	0.05	ug/L	1
7 October 1992	L62JG14	0.0056	0.05	ug/L	1
10 October 1992	K62JJ14	0.009	0.05	ug/L	1
12 October 1992	K62JL14	0.011	0.05	ug/L	1
14 October 1992	P82JM42	0.024	0.05	ug/L	1
16 October 1992	P82JP14	0.02	0.05	ug/L	1
17 October 1992	P82JP58	0.018	0.05	ug/L	1
17 October 1992	P82JP38	0.0078	0.05	ug/L	1
18 October 1992	P82JP82	0.017	0.05	ug/L	1
18 October 1992	P82JP91	0.018	0.05	ug/L	1
23 October 1992	P82JW14	0.011	0.05	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8080					
Analyte : Endosulfan Sulfate, cont.					
Type of Blank : Method Blank					
23 October 1992	082JW14	ND	0.05	ug/L	1
31 October 1992	A12J246	ND	0.05	ug/L	1
3 November 1992	A12KB26	ND	0.05	ug/L	1
3 November 1992	P82KC14	0.002	0.05	ug/L	1
3 November 1992	P82KC14	ND	0.05	ug/L	1
4 November 1992	P82KC41	0.0054	0.05	ug/L	1
4 November 1992	P82KC27	0.0045	0.05	ug/L	1

Total Number of Blanks = 22

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.05

Method : SW8080					
Analyte : Endrin					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	ND	0.000009	mg/L	0.961538
16 September 1992	B12I019	ND	0.000011	mg/L	1.086956
7 October 1992	K62JG19	ND	0.000009	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.000009	mg/L	0.970873
13 October 1992	K62JL23	ND	0.000011	mg/L	1.052631
13 October 1992	K62JL21	ND	0.000011	mg/L	1.104972
14 October 1992	P82JM48	ND	0.000011	mg/L	1.086956
16 October 1992	P82JP20	ND	0.000011	mg/L	1.136363
24 October 1992	P82JW24	ND	0.000009	mg/L	0.980392

Total Number of Blanks = 9

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.000011

Method : SW8080					
Analyte : Endrin					
Type of Blank : Method Blank					
2 September 1992	A12IB14	ND	0.00001	mg/L	1
4 September 1992	A12IB61	ND	0.00001	mg/L	1
15 September 1992	A12I014	0.000035	0.00001	mg/L	1
15 September 1992	A12I014	0.000035	0.00001	mg/L	1
16 September 1992	A12I026	ND	0.00001	mg/L	1
7 October 1992	L62JG14	ND	0.00001	mg/L	1
7 October 1992	K62JG14	ND	0.00001	mg/L	1
10 October 1992	K62JJ14	ND	0.00001	mg/L	1
12 October 1992	K62JL14	ND	0.00001	mg/L	1
14 October 1992	P82JM42	ND	0.00001	mg/L	1
16 October 1992	P82JP14	ND	0.00001	mg/L	1
17 October 1992	P82JP38	ND	0.00001	mg/L	1
17 October 1992	P82JP58	ND	0.00001	mg/L	1
18 October 1992	P82JP91	0.000014	0.00001	mg/L	1
18 October 1992	P82JP82	ND	0.00001	mg/L	1
23 October 1992	P82JW14	ND	0.00001	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Endrin, cont.					
Type of Blank : Method Blank					
23 October 1992	082JW14	ND	0.00001	mg/L	1
31 October 1992	A12J246	ND	0.00001	mg/L	1
3 November 1992	A12KB26	ND	0.00001	mg/L	1
3 November 1992	P82KC14	ND	0.00001	mg/L	1
4 November 1992	P82KC41	ND	0.00001	mg/L	1
4 November 1992	P82KC27	ND	0.00001	mg/L	1
Total Number of Blanks = 22		Concentration Range 0.00001 - 0.00004			
Total Number above Reporting Limit = 3		Maximum Reporting Limit = 0.00001			
Method : SW8080					
Analyte : Endrin					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	ND	0.0096	ug/L	0.961538
16 September 1992	B12IO19	ND	0.011	ug/L	1.086956
7 October 1992	K62JG19	ND	0.0097	ug/L	0.966183
10 October 1992	K62JJ20	ND	0.0097	ug/L	0.970873
13 October 1992	K62JL21	ND	0.011	ug/L	1.104972
13 October 1992	K62JL23	ND	0.011	ug/L	1.052631
14 October 1992	P82JM48	ND	0.011	ug/L	1.086956
16 October 1992	P82JP20	ND	0.011	ug/L	1.136363
24 October 1992	P82JW24	ND	0.0098	ug/L	0.980392
Total Number of Blanks = 9		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.011			
Method : SW8080					
Analyte : Endrin					
Type of Blank : Method Blank					
2 September 1992	A12IB14	ND	0.01	ug/L	1
4 September 1992	A12IB61	ND	0.01	ug/L	1
15 September 1992	A12IO14	0.035	0.01	ug/L	1
15 September 1992	A12IO14	0.035	0.01	ug/L	1
16 September 1992	A12IO26	ND	0.01	ug/L	1
7 October 1992	L62JG14	ND	0.01	ug/L	1
7 October 1992	K62JG14	ND	0.01	ug/L	1
10 October 1992	K62JJ14	ND	0.01	ug/L	1
12 October 1992	K62JL14	ND	0.01	ug/L	1
14 October 1992	P82JM42	ND	0.01	ug/L	1
16 October 1992	P82JP14	ND	0.01	ug/L	1
17 October 1992	P82JP38	ND	0.01	ug/L	1
17 October 1992	P82JP58	ND	0.01	ug/L	1
18 October 1992	P82JP82	ND	0.01	ug/L	1
18 October 1992	P82JP91	0.014	0.01	ug/L	1
23 October 1992	P82JW14	ND	0.01	ug/L	1
23 October 1992	082JW14	ND	0.01	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8080					
Analyte : Endrin, cont.					
Type of Blank : Method Blank					
31 October 1992	A12J246	ND	0.01	ug/L	1
3 November 1992	A12KB26	ND	0.01	ug/L	1
3 November 1992	P82KC14	ND	0.01	ug/L	1
4 November 1992	P82KC41	ND	0.01	ug/L	1
4 November 1992	P82KC27	ND	0.01	ug/L	1
-----					
Total Number of Blanks = 22		Concentration Range 0.014 - 0.035			
Total Number above Reporting Limit = 3		Maximum Reporting Limit = 0.01			
-----					
Method : SW8080					
Analyte : Endrin Aldehyde					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	0.000008	0.000019	mg/L	0.961538
16 September 1992	A12IO19	0.000021	0.000022	mg/L	1.086956
7 October 1992	L62JG19	0	0.000019	mg/L	0.966183
10 October 1992	K62JJ20	0.000008	0.000019	mg/L	0.970873
13 October 1992	K62JL23	0.000007	0.000021	mg/L	1.052631
13 October 1992	K62JL21	0.000008	0.000022	mg/L	1.104972
14 October 1992	P82JM48	ND	0.000022	mg/L	1.086956
16 October 1992	P82JP20	ND	0.000023	mg/L	1.136363
24 October 1992	P82JW24	ND	0.00002	mg/L	0.980392
-----					
Total Number of Blanks = 9		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.000023			
-----					
Method : SW8080					
Analyte : Endrin Aldehyde					
Type of Blank : Method Blank					
2 September 1992	A12IB14	0.000009	0.00002	mg/L	1
4 September 1992	A12IB61	ND	0.00002	mg/L	1
15 September 1992	A12IO14	ND	0.00002	mg/L	1
16 September 1992	A12IO26	0.000006	0.00002	mg/L	1
7 October 1992	K62JG14	ND	0.00002	mg/L	1
7 October 1992	L62JG14	0	0.00002	mg/L	1
10 October 1992	K62JJ14	ND	0.00002	mg/L	1
12 October 1992	K62JL14	ND	0.00002	mg/L	1
14 October 1992	P82JM42	ND	0.00002	mg/L	1
16 October 1992	P82JP14	ND	0.00002	mg/L	1
17 October 1992	P82JP38	ND	0.00002	mg/L	1
17 October 1992	P82JP58	ND	0.00002	mg/L	1
18 October 1992	P82JP82	ND	0.00002	mg/L	1
18 October 1992	P82JP91	ND	0.00002	mg/L	1
23 October 1992	P82JW14	ND	0.00002	mg/L	1
23 October 1992	O82JW14	0.000005	0.00002	mg/L	1
31 October 1992	A12J246	ND	0.00002	mg/L	1
3 November 1992	A12KB26	ND	0.00002	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Endrin Aldehyde, cont.					
Type of Blank : Method Blank					
3 November 1992	P82KC14	ND	0.00002	mg/L	1
4 November 1992	P82KC41	ND	0.00002	mg/L	1
4 November 1992	P82KC27	ND	0.00002	mg/L	1
<hr/>					
Total Number of Blanks = 21			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.00002		
Method : SW8080					
Analyte : Endrin Aldehyde					
Type of Blank : Equipment Blank					
16 September 1992	A12I031	0.0087	0.019	ug/L	0.961538
16 September 1992	A12I019	0.021	0.022	ug/L	1.086956
7 October 1992	L62JG19	0.0003	0.019	ug/L	0.966183
10 October 1992	K62JJ20	0.0089	0.019	ug/L	0.970873
13 October 1992	K62JL21	0.0081	0.022	ug/L	1.104972
13 October 1992	K62JL23	0.0074	0.021	ug/L	1.052631
14 October 1992	P82JM48	ND	0.022	ug/L	1.086956
16 October 1992	P82JP20	ND	0.023	ug/L	1.136363
24 October 1992	P82JW24	ND	0.02	ug/L	0.980392
<hr/>					
Total Number of Blanks = 9			Concentration Range NC		
Total Number above Reporting Limit = 0			Maximum Reporting Limit = 0.023		
Method : SW8080					
Analyte : Endrin Aldehyde					
Type of Blank : Method Blank					
2 September 1992	A12IB14	0.0091	0.02	ug/L	1
4 September 1992	A12IB61	ND	0.02	ug/L	1
15 September 1992	A12I014	ND	0.02	ug/L	1
16 September 1992	A12I026	0.0068	0.02	ug/L	1
7 October 1992	K62JG14	ND	0.02	ug/L	1
7 October 1992	L62JG14	0.0003	0.02	ug/L	1
10 October 1992	K62JJ14	ND	0.02	ug/L	1
12 October 1992	K62JL14	ND	0.02	ug/L	1
14 October 1992	P82JM42	ND	0.02	ug/L	1
16 October 1992	P82JP14	ND	0.02	ug/L	1
17 October 1992	P82JP58	ND	0.02	ug/L	1
17 October 1992	P82JP38	ND	0.02	ug/L	1
18 October 1992	P82JP91	ND	0.02	ug/L	1
18 October 1992	P82JP82	ND	0.02	ug/L	1
23 October 1992	P82JW14	ND	0.02	ug/L	1
23 October 1992	O82JW14	0.0056	0.02	ug/L	1
31 October 1992	A12J246	ND	0.02	ug/L	1
3 November 1992	A12KB26	ND	0.02	ug/L	1
3 November 1992	P82KC14	ND	0.02	ug/L	1
4 November 1992	P82KC41	ND	0.02	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8080 Analyte : Endrin Aldehyde, cont. Type of Blank : Method Blank					
4 November 1992	P82KC27	ND	0.02	ug/L	1
Total Number of Blanks = 21 Total Number above Reporting Limit = 0					
Concentration Range NC Maximum Reporting Limit = 0.02					
Method : SW8080 Analyte : Heptachlor Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	0.000008	0.000009	mg/L	0.961538
16 September 1992	A12IO19	0.000003	0.000011	mg/L	1.086956
7 October 1992	K62JG19	ND	0.000009	mg/L	0.970873
10 October 1992	K62JJ20	0.000005	0.000009	mg/L	0.970873
13 October 1992	K62JL23	ND	0.000011	mg/L	1.052631
13 October 1992	K62JL21	ND	0.000011	mg/L	1.104972
14 October 1992	P82JM48	ND	0.000011	mg/L	1.086956
16 October 1992	P82JP20	ND	0.000011	mg/L	1.136363
24 October 1992	P82JW24	ND	0.000009	mg/L	0.980392
Total Number of Blanks = 9 Total Number above Reporting Limit = 0					
Concentration Range NC Maximum Reporting Limit = 0.000011					
Method : SW8080 Analyte : Heptachlor Type of Blank : Method Blank					
2 September 1992	A12IB14	0.000002	0.00001	mg/L	1
4 September 1992	A12IB61	0.000002	0.00001	mg/L	1
15 September 1992	A12IO14	0.000002	0.00001	mg/L	1
15 September 1992	A12IO14	0.000002	0.00001	mg/L	1
16 September 1992	A12IO26	0.000031	0.00001	mg/L	1
7 October 1992	K62JG14	0.000005	0.00001	mg/L	1
7 October 1992	L62JG14	ND	0.00001	mg/L	1
10 October 1992	K62JJ14	0.000005	0.00001	mg/L	1
12 October 1992	K62JL14	ND	0.00001	mg/L	1
14 October 1992	P82JM42	ND	0.00001	mg/L	1
16 October 1992	P82JP14	ND	0.00001	mg/L	1
17 October 1992	P82JP38	ND	0.00001	mg/L	1
17 October 1992	P82JP58	0.000006	0.00001	mg/L	1
18 October 1992	P82JP91	ND	0.00001	mg/L	1
18 October 1992	P82JP82	ND	0.00001	mg/L	1
23 October 1992	P82JW14	ND	0.00001	mg/L	1
23 October 1992	O82JW14	ND	0.00001	mg/L	1
31 October 1992	A12J246	ND	0.00001	mg/L	1
3 November 1992	P82KC14	ND	0.00001	mg/L	1
3 November 1992	A12KB26	ND	0.00001	mg/L	1
4 November 1992	P82KC41	ND	0.00001	mg/L	1
4 November 1992	P82KC27	ND	0.00001	mg/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080 Analyte : Heptachlor, cont. Type of Blank : Method Blank					
Total Number of Blanks = 22 Total Number above Reporting Limit = 1					
Concentration Range 0.00003 - 0.00003 Maximum Reporting Limit = 0.00001					
Method : SW8080 Analyte : Heptachlor Type of Blank : Equipment Blank					
16 September 1992	A121Q31	0.0085	0.0096	ug/L	0.961538
16 September 1992	A121O19	0.0037	0.011	ug/L	1.086956
7 October 1992	K62JG19	ND	0.0097	ug/L	0.966183
10 October 1992	K62JJ20	0.0052	0.0097	ug/L	0.970873
13 October 1992	K62JL23	ND	0.011	ug/L	1.052631
13 October 1992	K62JL21	ND	0.011	ug/L	1.104972
14 October 1992	P82JM48	ND	0.011	ug/L	1.086956
16 October 1992	P82JP20	ND	0.011	ug/L	1.136363
24 October 1992	P82JW24	ND	0.0098	ug/L	0.980392
Total Number of Blanks = 9 Total Number above Reporting Limit = 0					
Concentration Range NC Maximum Reporting Limit = 0.011					
Method : SW8080 Analyte : Heptachlor Type of Blank : Method Blank					
2 September 1992	A121B14	0.0029	0.01	ug/L	1
4 September 1992	A121B61	0.0024	0.01	ug/L	1
15 September 1992	A121O14	0.0023	0.01	ug/L	1
15 September 1992	A121O14	0.0023	0.01	ug/L	1
16 September 1992	A121O26	0.031	0.01	ug/L	1
7 October 1992	K62JG14	0.0053	0.01	ug/L	1
7 October 1992	L62JG14	ND	0.01	ug/L	1
10 October 1992	K62JJ14	0.0051	0.01	ug/L	1
12 October 1992	K62JL14	ND	0.01	ug/L	1
14 October 1992	P82JM42	ND	0.01	ug/L	1
16 October 1992	P82JP14	ND	0.01	ug/L	1
17 October 1992	P82JP58	0.006	0.01	ug/L	1
17 October 1992	P82JP38	ND	0.01	ug/L	1
18 October 1992	P82JP82	ND	0.01	ug/L	1
18 October 1992	P82JP91	ND	0.01	ug/L	1
23 October 1992	P82JW14	ND	0.01	ug/L	1
23 October 1992	O82JW14	ND	0.01	ug/L	1
31 October 1992	A12J246	ND	0.01	ug/L	1
3 November 1992	A12KB26	ND	0.01	ug/L	1
3 November 1992	P82KC14	ND	0.01	ug/L	1
4 November 1992	P82KC41	ND	0.01	ug/L	1
4 November 1992	P82KC27	ND	0.01	ug/L	1

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8080 Analyte : Heptachlor, cont. Type of Blank : Method Blank Total Number of Blanks = 22 Total Number above Reporting Limit = 1 Concentration Range 0.031 - 0.031 Maximum Reporting Limit = 0.01					
Method : SW8080 Analyte : Heptachlor epoxide Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	0.000021	0.000009	mg/L	0.961538
16 September 1992	A12IO19	0	0.000011	mg/L	1.086956
7 October 1992	K62JG19	ND	0.000009	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.000009	mg/L	0.970873
13 October 1992	K62JL21	ND	0.000011	mg/L	1.104972
13 October 1992	K62JL23	ND	0.000011	mg/L	1.052631
14 October 1992	P82JM48	ND	0.000011	mg/L	1.086956
16 October 1992	P82JP20	ND	0.000011	mg/L	1.136363
24 October 1992	P82JW24	ND	0.000009	mg/L	0.980392
----- Total Number of Blanks = 9 Total Number above Reporting Limit = 1 Concentration Range 0.00002 - 0.00002 Maximum Reporting Limit = 0.000011					
Method : SW8080 Analyte : Heptachlor epoxide Type of Blank : Method Blank					
2 September 1992	A12IB14	0.000041	0.00001	mg/L	1
4 September 1992	A12IB61	0.000037	0.00001	mg/L	1
15 September 1992	A12IO14	ND	0.00001	mg/L	1
15 September 1992	A12IO14	ND	0.00001	mg/L	1
16 September 1992	A12IO26	0.000034	0.00001	mg/L	1
7 October 1992	K62JG14	ND	0.00001	mg/L	1
7 October 1992	L62JG14	ND	0.00001	mg/L	1
10 October 1992	K62JJ14	ND	0.00001	mg/L	1
12 October 1992	K62JL14	ND	0.00001	mg/L	1
14 October 1992	P82JM42	ND	0.00001	mg/L	1
16 October 1992	P82JP14	ND	0.00001	mg/L	1
17 October 1992	P82JP58	ND	0.00001	mg/L	1
17 October 1992	P82JP38	ND	0.00001	mg/L	1
18 October 1992	P82JP82	ND	0.00001	mg/L	1
18 October 1992	P82JP91	ND	0.00001	mg/L	1
23 October 1992	P82JW14	ND	0.00001	mg/L	1
23 October 1992	O82JW14	0.000002	0.00001	mg/L	1
31 October 1992	A12J246	ND	0.00001	mg/L	1
3 November 1992	A12KB26	ND	0.00001	mg/L	1
3 November 1992	P82KC14	ND	0.00001	mg/L	1
4 November 1992	P82KC41	ND	0.00001	mg/L	1
4 November 1992	P82KC27	ND	0.00001	mg/L	1
----- Total Number of Blanks = 22 Concentration Range 0.00003 - 0.00004					



TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Heptachlor epoxide, cont.					
Type of Blank : Method Blank					
Total Number above Reporting Limit = 3		Maximum Reporting Limit = 0.00001			
Method : SW8080					
Analyte : Heptachlor epoxide					
Type of Blank : Equipment Blank					
16 September 1992	A121Q31	0.021	0.0096	ug/L	0.961538
16 September 1992	A121O19	0.0004	0.011	ug/L	1.086956
7 October 1992	K62JG19	ND	0.0097	ug/L	0.966183
10 October 1992	K62JJ20	ND	0.0097	ug/L	0.970873
13 October 1992	K62JL21	ND	0.011	ug/L	1.104972
13 October 1992	K62JL23	ND	0.011	ug/L	1.052631
14 October 1992	P82JM48	ND	0.011	ug/L	1.086956
16 October 1992	P82JP20	ND	0.011	ug/L	1.136363
24 October 1992	P82JW24	ND	0.0098	ug/L	0.980392
Total Number of Blanks = 9		Concentration Range 0.021 - 0.021			
Total Number above Reporting Limit = 1		Maximum Reporting Limit = 0.011			
Method : SW8080					
Analyte : Heptachlor epoxide					
Type of Blank : Method Blank					
2 September 1992	A121B14	0.041	0.01	ug/L	1
4 September 1992	A121B61	0.037	0.01	ug/L	1
15 September 1992	A121O14	ND	0.01	ug/L	1
15 September 1992	A121O14	ND	0.01	ug/L	1
16 September 1992	A121O26	0.034	0.01	ug/L	1
7 October 1992	L62JG14	ND	0.01	ug/L	1
7 October 1992	K62JG14	ND	0.01	ug/L	1
10 October 1992	K62JJ14	ND	0.01	ug/L	1
12 October 1992	K62JL14	ND	0.01	ug/L	1
14 October 1992	P82JM42	ND	0.01	ug/L	1
16 October 1992	P82JP14	ND	0.01	ug/L	1
17 October 1992	P82JP58	ND	0.01	ug/L	1
17 October 1992	P82JP38	ND	0.01	ug/L	1
18 October 1992	P82JP82	ND	0.01	ug/L	1
18 October 1992	P82JP91	ND	0.01	ug/L	1
23 October 1992	P82JW14	ND	0.01	ug/L	1
23 October 1992	O82JW14	0.0023	0.01	ug/L	1
31 October 1992	A12J246	ND	0.01	ug/L	1
3 November 1992	P82KC14	ND	0.01	ug/L	1
3 November 1992	A12KB26	ND	0.01	ug/L	1
4 November 1992	P82KC41	ND	0.01	ug/L	1
4 November 1992	P82KC27	ND	0.01	ug/L	1
Total Number of Blanks = 22		Concentration Range 0.034 - 0.041			
Total Number above Reporting Limit = 3		Maximum Reporting Limit = 0.01			

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED -----	LAB ID -----	RESULT -----	REPORTING LIMIT -----	UNITS -----	FACTOR -----
Method : SW8080					
Analyte : Heptachlor epoxide, cont.					
Type of Blank : Method Blank					
Method : SW8080					
Analyte : Methoxychlor					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	ND	0.000048	mg/L	0.961538
16 September 1992	A12IO19	ND	0.000054	mg/L	1.086956
7 October 1992	K62JG19	ND	0.000048	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.000049	mg/L	0.970873
13 October 1992	K62JL23	ND	0.000053	mg/L	1.052631
13 October 1992	K62JL21	ND	0.000055	mg/L	1.104972
14 October 1992	P82JM48	ND	0.000054	mg/L	1.086956
16 October 1992	P82JP20	ND	0.000057	mg/L	1.136363
24 October 1992	P82JW24	ND	0.000049	mg/L	0.980392

Total Number of Blanks = 9

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.000057

Method : SW8080  
 Analyte : Methoxychlor  
 Type of Blank : Method Blank

2 September 1992	A12IB14	ND	0.00005	mg/L	1
4 September 1992	A12IB61	ND	0.00005	mg/L	1
15 September 1992	A12IO14	ND	0.00005	mg/L	1
15 September 1992	A12IO14	ND	0.00005	mg/L	1
16 September 1992	A12IO26	ND	0.00005	mg/L	1
7 October 1992	K62JG14	ND	0.00005	mg/L	1
7 October 1992	L62JG14	ND	0.00005	mg/L	1
10 October 1992	K62JJ14	ND	0.00005	mg/L	1
12 October 1992	K62JL14	ND	0.00005	mg/L	1
14 October 1992	P82JM42	ND	0.00005	mg/L	1
16 October 1992	P82JP14	ND	0.00005	mg/L	1
17 October 1992	P82JP38	ND	0.00005	mg/L	1
17 October 1992	P82JP58	ND	0.00005	mg/L	1
18 October 1992	P82JP91	ND	0.00005	mg/L	1
18 October 1992	P82JP82	ND	0.00005	mg/L	1
23 October 1992	P82JW14	ND	0.00005	mg/L	1
23 October 1992	O82JW14	ND	0.00005	mg/L	1
31 October 1992	A12J246	ND	0.00005	mg/L	1
3 November 1992	P82KC14	ND	0.00005	mg/L	1
3 November 1992	A12KB26	ND	0.00005	mg/L	1
4 November 1992	P82KC41	ND	0.00005	mg/L	1
4 November 1992	P82KC27	ND	0.00005	mg/L	1

Total Number of Blanks = 22

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00005

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : Methoxychlor					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	ND	0.048	ug/L	0.961538
16 September 1992	A12I019	ND	0.054	ug/L	1.086956
7 October 1992	K62JG19	ND	0.048	ug/L	0.966183
10 October 1992	K62JJ20	ND	0.049	ug/L	0.970873
13 October 1992	K62JL21	ND	0.055	ug/L	1.104972
13 October 1992	K62JL23	ND	0.053	ug/L	1.052631
14 October 1992	P82JM48	ND	0.054	ug/L	1.086956
16 October 1992	P82JP20	ND	0.057	ug/L	1.136363
24 October 1992	P82JW24	ND	0.049	ug/L	0.980392

Total Number of Blanks = 9

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.057

Method : SW8080					
Analyte : Methoxychlor					
Type of Blank : Method Blank					
2 September 1992	A12I814	ND	0.05	ug/L	1
4 September 1992	A12I861	ND	0.05	ug/L	1
15 September 1992	A12I014	ND	0.05	ug/L	1
15 September 1992	A12I014	ND	0.05	ug/L	1
16 September 1992	A12I026	ND	0.05	ug/L	1
7 October 1992	K62JG14	ND	0.05	ug/L	1
7 October 1992	L62JG14	ND	0.05	ug/L	1
10 October 1992	K62JJ14	ND	0.05	ug/L	1
12 October 1992	K62JL14	ND	0.05	ug/L	1
14 October 1992	P82JM42	ND	0.05	ug/L	1
16 October 1992	P82JP14	ND	0.05	ug/L	1
17 October 1992	P82JP38	ND	0.05	ug/L	1
17 October 1992	P82JP58	ND	0.05	ug/L	1
18 October 1992	P82JP91	ND	0.05	ug/L	1
18 October 1992	P82JP82	ND	0.05	ug/L	1
23 October 1992	P82JW14	ND	0.05	ug/L	1
23 October 1992	O82JW14	ND	0.05	ug/L	1
31 October 1992	A12J246	ND	0.05	ug/L	1
3 November 1992	A12KB26	ND	0.05	ug/L	1
3 November 1992	P82KC14	ND	0.05	ug/L	1
4 November 1992	P82KC41	ND	0.05	ug/L	1
4 November 1992	P82KC27	ND	0.05	ug/L	1

Total Number of Blanks = 22

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.05

Method : SW8080					
Analyte : PCB-1016					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	ND	0.000096	mg/L	0.961538

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----	-----	-----	-----	-----	-----
Method : SW8080					
Analyte : PCB-1016, cont.					
Type of Blank : Equipment Blank					
16 September 1992	A12I019	ND	0.00011	mg/L	1.086956
7 October 1992	K62JG19	ND	0.000097	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.000097	mg/L	0.970873
13 October 1992	K62JL21	ND	0.00011	mg/L	1.104972
13 October 1992	K62JL23	ND	0.00011	mg/L	1.052631
14 October 1992	P82JM48	ND	0.00011	mg/L	1.086956
16 October 1992	P82JP20	ND	0.00011	mg/L	1.136363
24 October 1992	P82JW24	ND	0.000098	mg/L	0.980392

Total Number of Blanks = 9

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00011

Method : SW8080					
Analyte : PCB-1016					
Type of Blank : Method Blank					
2 September 1992	A12I814	ND	0.0001	mg/L	1
4 September 1992	A12I861	ND	0.0001	mg/L	1
15 September 1992	A12I014	ND	0.0001	mg/L	1
16 September 1992	A12I026	ND	0.0001	mg/L	1
7 October 1992	K62JG14	ND	0.0001	mg/L	1
7 October 1992	L62JG14	ND	0.0001	mg/L	1
10 October 1992	K62JJ14	ND	0.0001	mg/L	1
12 October 1992	K62JL14	ND	0.0001	mg/L	1
14 October 1992	P82JM42	ND	0.0001	mg/L	1
16 October 1992	P82JP14	ND	0.0001	mg/L	1
17 October 1992	P82JP58	ND	0.0001	mg/L	1
17 October 1992	P82JP38	ND	0.0001	mg/L	1
18 October 1992	P82JP82	ND	0.0001	mg/L	1
18 October 1992	P82JP91	ND	0.0001	mg/L	1
23 October 1992	P82JW14	ND	0.0001	mg/L	1
23 October 1992	O82JW14	ND	0.0001	mg/L	1
31 October 1992	A12J246	ND	0.0001	mg/L	1
3 November 1992	A12KB26	ND	0.0001	mg/L	1
3 November 1992	P82KC14	ND	0.0001	mg/L	1
4 November 1992	P82KC41	ND	0.0001	mg/L	1
4 November 1992	P82KC27	ND	0.0001	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0001

Method : SW8080					
Analyte : PCB-1016					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	ND	0.096	ug/L	0.96153
16 September 1992	A12I019	ND	0.11	ug/L	1.086956
7 October 1992	K62JG19	ND	0.097	ug/L	0.966183

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : PCB-1016, cont.					
Type of Blank : Equipment Blank					
10 October 1992	K62JJ20	ND	0.097	ug/L	0.970873
13 October 1992	K62JL23	ND	0.11	ug/L	1.052631
13 October 1992	K62JL21	ND	0.11	ug/L	1.104972
14 October 1992	P82JM48	ND	0.11	ug/L	1.086956
16 October 1992	P82JP20	ND	0.11	ug/L	1.136363
24 October 1992	P82JW24	ND	0.098	ug/L	0.980392

Total Number of Blanks = 9

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.11

Method : SW8080					
Analyte : PCB-1016					
Type of Blank : Method Blank					
2 September 1992	A12IB14	ND	0.1	ug/L	1
4 September 1992	A12IB61	ND	0.1	ug/L	1
15 September 1992	A12IO14	ND	0.1	ug/L	1
16 September 1992	A12IO26	ND	0.1	ug/L	1
7 October 1992	L62JG14	ND	0.1	ug/L	1
7 October 1992	K62JG14	ND	0.1	ug/L	1
10 October 1992	K62JJ14	ND	0.1	ug/L	1
12 October 1992	K62JL14	ND	0.1	ug/L	1
14 October 1992	P82JM42	ND	0.1	ug/L	1
16 October 1992	P82JP14	ND	0.1	ug/L	1
17 October 1992	P82JP58	ND	0.1	ug/L	1
17 October 1992	P82JP38	ND	0.1	ug/L	1
18 October 1992	P82JP82	ND	0.1	ug/L	1
18 October 1992	P82JP91	ND	0.1	ug/L	1
23 October 1992	P82JW14	ND	0.1	ug/L	1
23 October 1992	O82JW14	ND	0.1	ug/L	1
31 October 1992	A12J246	ND	0.1	ug/L	1
3 November 1992	P82KC14	ND	0.1	ug/L	1
3 November 1992	A12KB26	ND	0.1	ug/L	1
4 November 1992	P82KC41	ND	0.1	ug/L	1
4 November 1992	P82KC27	ND	0.1	ug/L	1

Total Number of Blanks = 21

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.1

Method : SW8080					
Analyte : PCB-1221					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	ND	0.00019	mg/L	0.961538
16 September 1992	A12IO19	ND	0.00022	mg/L	1.086956
7 October 1992	K62JG19	ND	0.00019	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.00019	mg/L	0.970873
13 October 1992	K62JL23	ND	0.00021	mg/L	1.052631

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : PCB-1221, cont.					
Type of Blank : Equipment Blank					
13 October 1992	K62JL21	ND	0.00022	mg/L	1.104972
14 October 1992	P82JM48	ND	0.00022	mg/L	1.086956
16 October 1992	P82JP20	ND	0.00023	mg/L	1.136363
24 October 1992	P82JW24	ND	0.0002	mg/L	0.980392

Total Number of Blanks = 9

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.00023

Method : SW8080					
Analyte : PCB-1221					
Type of Blank : Method Blank					
2 September 1992	A12IB14	ND	0.0002	mg/L	1
4 September 1992	A12IB61	ND	0.0002	mg/L	1
15 September 1992	A12IO14	ND	0.0002	mg/L	1
16 September 1992	A12IO26	ND	0.0002	mg/L	1
7 October 1992	K62JG14	ND	0.0002	mg/L	1
7 October 1992	L62JG14	ND	0.0002	mg/L	1
10 October 1992	K62JJ14	ND	0.0002	mg/L	1
12 October 1992	K62JL14	ND	0.0002	mg/L	1
14 October 1992	P82JM42	ND	0.0002	mg/L	1
16 October 1992	P82JP14	ND	0.0002	mg/L	1
17 October 1992	P82JP58	ND	0.0002	mg/L	1
17 October 1992	P82JP38	ND	0.0002	mg/L	1
18 October 1992	P82JP82	ND	0.0002	mg/L	1
18 October 1992	P82JP91	ND	0.0002	mg/L	1
23 October 1992	P82JW14	ND	0.0002	mg/L	1
23 October 1992	O82JW14	ND	0.0002	mg/L	1
31 October 1992	A12J246	ND	0.0002	mg/L	1
3 November 1992	P82KC14	ND	0.0002	mg/L	1
3 November 1992	A12KB26	ND	0.0002	mg/L	1
4 November 1992	P82KC41	ND	0.0002	mg/L	1
4 November 1992	P82KC27	ND	0.0002	mg/L	1

Total Number of Blanks = 21

Concentration Range NC

Total Number above Reporting Limit = 0

Maximum Reporting Limit = 0.0002

Method : SW8080					
Analyte : PCB-1221					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	ND	0.19	ug/L	0.961538
16 September 1992	A12IO19	ND	0.22	ug/L	1.086956
7 October 1992	K62JG19	ND	0.19	ug/L	0.966183
10 October 1992	K62JJ20	ND	0.19	ug/L	0.970873
13 October 1992	K62JL23	ND	0.21	ug/L	1.05263
13 October 1992	K62JL21	ND	0.22	ug/L	1.104972
14 October 1992	P82JM48	ND	0.22	ug/L	1.086956

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
Method : SW8080					
Analyte : PCB-1221, cont.					
Type of Blank : Equipment Blank					
16 October 1992	P82JP20	ND	0.23	ug/L	1.136363
24 October 1992	P82JW24	ND	0.2	ug/L	0.980392

Total Number of Blanks = 9

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.23

Method : SW8080					
Analyte : PCB-1221					
Type of Blank : Method Blank					
2 September 1992	A12IB14	ND	0.2	ug/L	1
4 September 1992	A12IB61	ND	0.2	ug/L	1
15 September 1992	A12IO14	ND	0.2	ug/L	1
16 September 1992	A12IO26	ND	0.2	ug/L	1
7 October 1992	K62JG14	ND	0.2	ug/L	1
7 October 1992	L62JG14	ND	0.2	ug/L	1
10 October 1992	K62JJ14	ND	0.2	ug/L	1
12 October 1992	K62JL14	ND	0.2	ug/L	1
14 October 1992	P82JM42	ND	0.2	ug/L	1
16 October 1992	P82JP14	ND	0.2	ug/L	1
17 October 1992	P82JP58	ND	0.2	ug/L	1
17 October 1992	P82JP38	ND	0.2	ug/L	1
18 October 1992	P82JP91	ND	0.2	ug/L	1
18 October 1992	P82JP82	ND	0.2	ug/L	1
23 October 1992	P82JW14	ND	0.2	ug/L	1
23 October 1992	O82JW14	ND	0.2	ug/L	1
31 October 1992	A12J246	ND	0.2	ug/L	1
3 November 1992	A12KB26	ND	0.2	ug/L	1
3 November 1992	P82KC14	ND	0.2	ug/L	1
4 November 1992	P82KC41	ND	0.2	ug/L	1
4 November 1992	P82KC27	ND	0.2	ug/L	1

Total Number of Blanks = 21

Total Number above Reporting Limit = 0

Concentration Range NC

Maximum Reporting Limit = 0.2

Method : SW8080					
Analyte : PCB-1232					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	ND	0.00019	mg/L	0.961538
16 September 1992	A12IO19	ND	0.00022	mg/L	1.086956
7 October 1992	K62JG19	ND	0.00019	mg/L	0.966183
10 October 1992	K62JJ20	ND	0.00019	mg/L	0.970873
13 October 1992	K62JL23	ND	0.00021	mg/L	1.052631
13 October 1992	K62JL21	ND	0.00022	mg/L	1.104972
14 October 1992	P82JM48	ND	0.00022	mg/L	1.086956
16 October 1992	P82JP20	ND	0.00023	mg/L	1.136363
24 October 1992	P82JW24	ND	0.0002	mg/L	0.980392

TABLE A-5

## DETAILED LISTING OF BLANK RESULTS, WATER SAMPLES, GALENA 1992 EVENT

DATE ANALYZED	LAB ID	RESULT	REPORTING LIMIT	UNITS	FACTOR
-----					
Method : SW8080					
Analyte : PCB-1232, cont.					
Type of Blank : Equipment Blank					
-----					
Total Number of Blanks = 9		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.00023			
-----					
Method : SW8080					
Analyte : PCB-1232					
Type of Blank : Method Blank					
2 September 1992	A12IB14	ND	0.0002	mg/L	1
4 September 1992	A12IB61	ND	0.0002	mg/L	1
15 September 1992	A12IO14	ND	0.0002	mg/L	1
16 September 1992	A12IO26	ND	0.0002	mg/L	1
7 October 1992	L62JG14	ND	0.0002	mg/L	1
7 October 1992	K62JG14	ND	0.0002	mg/L	1
10 October 1992	K62JJ14	ND	0.0002	mg/L	1
12 October 1992	K62JL14	ND	0.0002	mg/L	1
14 October 1992	P82JM42	ND	0.0002	mg/L	1
16 October 1992	P82JP14	ND	0.0002	mg/L	1
17 October 1992	P82JP38	ND	0.0002	mg/L	1
17 October 1992	P82JP58	ND	0.0002	mg/L	1
18 October 1992	P82JP82	ND	0.0002	mg/L	1
18 October 1992	P82JP91	ND	0.0002	mg/L	1
23 October 1992	P82JW14	ND	0.0002	mg/L	1
23 October 1992	O82JW14	ND	0.0002	mg/L	1
31 October 1992	A12J246	ND	0.0002	mg/L	1
3 November 1992	P82KC14	ND	0.0002	mg/L	1
3 November 1992	A12KB26	ND	0.0002	mg/L	1
4 November 1992	P82KC41	ND	0.0002	mg/L	1
4 November 1992	P82KC27	ND	0.0002	mg/L	1
-----					
Total Number of Blanks = 21		Concentration Range NC			
Total Number above Reporting Limit = 0		Maximum Reporting Limit = 0.0002			
-----					
Method : SW8080					
Analyte : PCB-1232					
Type of Blank : Equipment Blank					
16 September 1992	A12IQ31	ND	0.19	ug/L	0.961538
16 September 1992	A12IO19	ND	0.22	ug/L	1.086956
7 October 1992	K62JG19	ND	0.19	ug/L	0.966183
10 October 1992	K62JJ20	ND	0.19	ug/L	0.970873
13 October 1992	K62JL21	ND	0.22	ug/L	1.104972
13 October 1992	K62JL23	ND	0.21	ug/L	1.052631
14 October 1992	P82JM48	ND	0.22	ug/L	1.086956
16 October 1992	P82JP20	ND	0.23	ug/L	1.136363
24 October 1992	P82JW24	ND	0.2	ug/L	0.980392
-----					
Total Number of Blanks = 9		Concentration Range NC			



**END**

**OF DOCUMENT**

**AS RECEIVED**

**BY**

**DTIC**